THE

EXECUTIVE DOCUMENTS

OF THE

SENATE OF THE UNITED STATES

FOR THE

FIRST SESSION OF THE FIFTY-FIRST CONGRESS.

1889-'90.

VOLUME 10.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1891

51st Congress, 1st Session. SENATE. Ex. Doc. No. 115.

CLIMATE OF NEBRASKA,

PARTICULARLY IN REFERENCE TO

THE TEMPERATURE AND RAIN-FALL

AND

THEIR INFLUENCE UPON THE AGRICULTURAL INTERESTS OF THE STATE.

FIVE APPENDICES AND TWELVE CHARTS.

MAY 7, 1890.—Laid upon the table and ordered to be printed.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1890.

LETTER

FROM

THE SECRETARY OF WAR,

TRANSMITTING

REPORT OF THE CHIEF SIGNAL OFFICER ON THE CLIMATE OF NEBRASKA.

MAY 7, 1890.—Laid upon the table and ordered to be printed.

WAR DEPARTMENT,
Washington City, May 6, 1890.

The Secretary of War has the honor to transmit to the Senate a report of the Chief Signal Officer of the Army, dated the 1st instant, with text, tables, and charts, which illustrate the agricultural sections of Nebraska, particularly with reference to temperature and rain-fall, together with such other notes on the climatic conditions of the State as appear pertinent and important, in response to Senate resolution of April 22, 1890, as follows:

Resolved, That the Secretary of War be, and is hereby, directed to transmit to the Senate the reports that have been prepared under the direction of the Chief Signal Officer of the Army upon the climate of Nebraska, showing particularly the climatic condition as to the temperature and rain-fall in the agricultural sections of said State, together with such tables and other matters as relate thereto, and with such suggestions as may be deemed advisable by the Chief Signal Officer.

REDFIELD PROCTOR,
Secretary of War.

THE PRESIDENT OF THE UNITED STATES SENATE.

SIGNAL OFFICE, WAR DEPARTMENT,
Washington City, May 1, 1890.

THE SECRETARY OF WAR:

SIR: Referring to the resolution of the Senate of the United States, of April 22, 1890, that "the Secretary of War be, and is hereby, directed to transmit to the Senate the reports that have been prepared under the direction of the Chief Signal Officer of the Army upon the climate of Nebraska, showing particularly the climatic condition as to temperature and rain-fall in the agricultural sections of said State, together with such tables and other matters as relate thereto, and with such suggestions as may be deemed advisable by the Chief Signal Officer," I have the honor to herewith transmit text, tables, and charts, which illustrate the agricultural sections of Nebraska, particularly with reference to temperature and rain-fall, together with such other notes on the climatic conditions of the State as appear pertinent and important.

Very respectfully,

A. W. GREELY,
Chief Signal Officer.

THE CLIMATE OF NEBRASKA.

The State of Nebraska, which lies between the fortieth and forty-third parallels of north latitude and mainly between the ninety-sixth and one hundred and fourth meridians of west longitude, is in general a fertile rolling prairie, whose continuity is broken only by mountainous conditions in its extreme northwestern section. The altitude above the level of the sea increases gradually from about 1,000 feet along the Missouri River (which serves as the eastern boundary of the State) to the uplands of western Nebraska, where the average elevation is not far from 5,000 feet. The absence of high mountain ranges and the lack of extensive forests leave such physical conditions as insure for the State quite a homogeneous climate, the variations of temperature, rain-fall, and other meteorological elements depending more upon latitude and elevation than upon physical configurations.

With the geographical center of the United States proper near its limits, which means that it is nearly 1,600 miles from either of the great oceans, removed from the direct climatic influences of the Gulf of Mexico, 800 miles to the south, and situated 500 miles to the windward of the Great American Lakes, it is needless to say that the climate of Nebraska is thoroughly continental. In contradistinction to marine climate this term implies for Nebraska winters of considerable severity, summers of unusual warmth, rain-fall in limited quantities, marked and sudden changes of temperature, large seasonal and daily temperature ranges, dry, salubrious atmosphere, with small percentage of cloudiness and large percentage of sunshine.

Fortunately the general configuration of the State is such that despite the small amount of aqueous vapor in the air, which condition facilitates rapid radiation in winter and a high degree of insolation in summer, yet Nebraska finds itself favored with climatic characteristics remarkably constant considering its remoteness from the ocean.

Previous to the establishment of the Signal Service Weather Bureau in 1870, but little was known of the climatic conditions so far as they relate to crop productions in Nebraska and other States west of the Missouri River. The regular meteorological observations inaugurated by this service and continued during a series of years have done much to correct the many erroneous impressions that existed relative to the climate of this region. These observations, supplemented by the observations of the Nebraska State weather service, which is under the direction of Prof. Goodwin D. Swezey, of Doane College, Crete, Nebr., assisted by G. A. Loveland, a regular observer of the Signal Service, now enable this service to give reliable and quite full statistics relative to the temperature, rain-fall, and general climate of that region. These statistics show conclusively that a much larger area of Nebraska than was previously supposed enjoys climatic conditions favorable to the production of staple crops, and also that certain sections possess the climatic requirements which would seem to fulfill the conditions considered most favorable for the successful culture of special crops, such as sugar-beets, etc.

PRECIPITATION.

The precipitation of Nebraska is almost entirely rain, since the annual fluctuation, elsewhere classed by the writer as of the trans-Mississippi type, has its minimum in midwinter and its maximum in midsummer.

The rain-fall is what may be called accidental, rather than periodical, that is, it arises almost entirely from abnormal atmospheric movements in connection with the passage of low area storms across or near the State, together with the alternating anti-cyclones, which, flowing in, as cold air from the Saskatchewan and Manitoba country, bring about sudden changes of temperature favorable to rain-fall. The moisture precipitated over Nebraska comes almost entirely, either directly or indirectly, from the Gulf of Mexico. The warm southerly winds, which prevail in connection

with the advancing low area storms, being drawn northward laden with aqueous vapor, deposit their moisture with more or less frequency in advance of storm centers as they move toward the Atlantic. Following in the rear of these depressions, the cold, dry air from the northward tends to precipitate such moisture as is left in the rear quadrants of departing storms.

Considering its inland situation, far from the Gulf of Mexico, the original source of rain-fall of that section of the country, yet Nebraska is much more favored in this respect than is usually surmised. The annual rain-fall of the State may be placed at about 24 inches. The average annual amount for any entire State is always misleading information, and, in exceptional cases, the amounts which fall over different parts of the same State may vary enormously, as, for instance, in California from 2 inches in the Colorado Valley to 80 inches on the northwestern coast, and in the State of Washington from 7 inches in the interior to 94 inches at Neah Bay.

The normal annual rain-fall is graphically indicated on Chart No. 1, whereby it appears that the amount decreases quite regularly from east to west with increasing elevation, and from south to north with increasing latitude.

The normal distribution of rain over Nebraska for the months of April, May, June, and July, is shown in graphic form on Charts Nos. 2 to 5. The data on which these charts are based appear in detail in Appendix No. 2.

The observations on which these averages of rain-fall depend are mostly from voluntary observers, whose methods and instruments, while sometimes of the best and highest order, are frequently, owing to lack of proper standard instruments and detailed instructions in their unremunerated labors, not up to the highest standard of accuracy, and so cannot fully be relied upon. Again, the records are not homogeneous, that is, they do not pertain, even when of equal duration of time, to the same years; so that in some cases two or three dry seasons have naturally given unfavorable data, while in other instances, several wet seasons have tended to unduly encourage the farmer with hopes of continued heavy rain-fall. The data, however, are all that are available, and that they are so plentiful speaks much for the intelligence of the early settlers. The data have been treated in a conservative manner, and have been as carefully discussed as the limited time permits. While the general distribution of rain fall and the average amounts can be relied on for the State as a whole, yet it must be remembered that these averages cannot be absolutely depended on to the exact inch for localities which are very favorably or unfavorably placed as regards rain-fall; that is to say, those which are to the windward or leeward of hills and ranges of considerable elevation, where the rain-fall is deposited largely to the disadvantage of the leeward localities. In extended ranges it is always found that the rain-fall is heavier on the side where a sharply rising front is presented to the rain-bearing winds, which, deprived to a considerable extent of their moisture in passing over the ridge, deposit of what remains, less copiously on the leeward side.

The general distribution of rain-fall is clearly indicated by the following data for many years, drawn from the records of four regular stations maintained by the Signal Service:

Omaha, annual rain-fall 33.06 inches; Yankton, S. Dak. (which may be considered to represent Northeastern Nebraska, from which it is separated by the width of the Missouri River), 27.08 inches; Valentine (in the northern central part of the State), 19.44 inches; North Platte (in the southwestern portion), 19.18 inches.

In comparison with these figures may be quoted those indicating the precipitation for the States of New York, Pennsylvania, Maryland, and the interior of Virginia, where the mean annual rain-fall at the points individually indicated is as follows:

	Inches.
New York	
Albany	38.14
Rochester	34.78
Pennsylvania:	
Philadelphia	40.63
Pittsburgh	37.32
Maryland:	
Baltimore	43.16
Virginia:	
Norfolk	51.37
Lynchburgh	43.57

These figures show rain-falls in the Eastern States ranging from 50 to 100 per cent. above those for the points above indicated for Nebraska, but it would be an error to surmise that the disadvantages against Nebraska are as extensive and material as would seem evident from a cursory consideration of these facts. The great advantage which Nebraska has, is in the distribution of rain-fall throughout the year, particularly with reference to the months of April, May, June, and July, which may be called the critical months, from the agricultural stand-point of staple crops grown in Nebraska. Take the State as a whole, the percentage of rain-fall in each of these four months closely agrees, that for April is about 11 per cent. of the entire annual rain-fall; for May, 17 per cent.; for June, 16 per cent.; and for July 16 per cent.; or over 59 per cent. for the four months. In other words, three-fifths of the rain-fall of the year occurs most opportunely during the period when it is most beneficial to the growing crops.

The following table shows the amount of rain-fall at the four Signal Service stations, derived from long records, except that at Valentine, which covers only four years. In this table appear the percentages of rainy days in each month of the year, the average amount of precipitation which occurs on each rainy day, the average amount of rainfall for each month of the year, and the average cloudiness (in percentages).

Percentage of days with .01 or more precipitation, the average amount on each day, the average precipitation at the stations named, and the percentage of cloudiness.

PERCENTAGE OF DAYS WITH PRECIPITATION.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Length of record.
	Per ct.	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	*Per ct.*	
Valentine	22	22	19	29	42	33	32	28	21	19	12	16	25	4
Yankton, S. Dak*	24	26	25	32	41	36	31	28	26	19	17	25	28	17
Omaha	23	24	24	34	39	37	33	27	28	21	16	24	27	20
North Platte	16	16	20	29	36	32	31	27	17	18	13	18	23	15

PRECIPITATION.

[Average amount (inches and hundredths) on each day with rain or snow.]

Valentine	0.07	0.10	0.19	0.25	0.33	0.29	0.31	0.20	0.22	0.17	0.10	0.08	0.19	4
Yankton, S. Dak*	0.07	0.10	0.15	0.33	0.34	0.40	0.39	0.36	0.38	0.25	0.12	0.11	0.25	17
Omaha	0.09	0.11	0.20	0.30	0.37	0.51	0.51	0.41	0.40	0.42	0.26	0.14	0.30	20
North Platte	0.09	0.08	0.20	0.23	0.27	0.35	0.32	0 39	0.32	0.20	0.10	0.12	0.21	15

AVERAGE MONTHLY PRECIPITATION.

[Inches and hundredths.]

Valentine	0.50	0.63	1.11	2.21	4.32	2.86	3.00	1.73	1.43	0.92	0.35	0.38	19.44	4
Yankton, S. Dak*	0.56	0.73	1.16	3.15	4.35	4.32	3.76	3.13	2.97	1.47	0.65	0.83	27.08	17
Omaha	0.67	0.73	1.46	3.11	4.51	5.64	5.15	3.42	3.36	2.77	1.23	1.01	33.06	20
North Platte	0.48	0.35	0.62	2.03	3.09	3.34	3.00	2.47	1.62	1.12	0.38	0.68	19.18	15

AVERAGE CLOUDINESS.

[1.00 represents complete cloudiness.]

Valentine	0.42	0.47	0.50	0.50	0.50	0.48	0.40	0.43	0.34	0.39	0.41	0.46	0.44	4
Yankton, S. Dak*	0.41	0.48	0.51	0.49	0.53	0.46	0.41	0.40	0.39	0.42	0.42	0.48	0.45	17
Omaha	0.48	0.47	0.53	0.54	0.55	0.50	0.43	0.42	0.41	0.42	0.45	0.51	0.48	20
North Platte	0.38	0.42	0.40	0.49	0.54	0.44	0.40	0.39	0.35	0.40	0.40	0.44	0.42	15

* Separated from northeastern Nebraska by the Missouri River only.

It appears that the average amount of rain-fall during the months of April to July, inclusive, at Omaha, amounts to 18.41 inches; Yankton, 15.58 inches; Valentine, 12.39 inches; North Platte, 11.46 inches. It is interesting to compare the rain-fall during these four months with that which occurs over what are known as the Eastern States. Such comparison shows that the eastern part of Nebraska has during these four months a larger amount of rain-fall than the Eastern States from Maine to Virginia, except possibly along the immediate coast, and that the western part of the State of Nebraska is favored with an amount of rain-fall but slightly below the amounts recorded in the Eastern States. Taking New York, for instance, the rain-fall at Albany, from April to July, inclusive, amounts to 13.51 inches; at Rochester, 11.81 inches, a comparison favorable to Nebraska. In like manner, the records show that the rain-fall in Pennsylvania averages at Pittsburgh, 14.23 inches, and at Philadelphia, 13.02 inches for the months named. These figures show that the

average amounts for Pennsylvania are less than those which obtain over the eastern half of Nebraska, and but slightly greater than those over the western half. The rain-fall of the interior portion of Maryland and Virginia may be estimated from the precipitation occurring at Baltimore, where, from April to July, inclusive, it amounts to 14.90 inches, and at Lynchburgh, Va., to 13.73 inches, which quantities are about 25 per centum less than those falling over eastern Nebraska.

The marked characteristic of the April precipitation in Nebraska is the large amount which falls in the southeastern part of the State to the southward of the Platte Valley. Over a considerable area of country in this section, the rain-fall averages over 4 inches for April, and over scarcely any part is it materially less than 3 inches. The whole State, however, during April, is favored with rain-fall exceeding 2 inches, save the extreme northwestern part, wherein the amount falls slightly below.

May is the great rain-bearing month for Nebraska, the average amount for the State being 4 inches or more, reaching in the southeastern part over 5 inches, and in no part is it considerably below 3 inches.

During June the weather becomes dryer in the western part of the State, which is favored with rains varying from 1¼ to 2½ inches, but the greater part of the State still has rain-falls ranging from 3 to 5½ inches, the greatest amounts falling in the southeastern part of the State.

July shows conditions substantially the same as those for June, with a slight increase, however, in western Nebraska.

The annual rain-fall appears in graphic form on Chart No. 1. An examination of this chart shows that Nebraska, as regards its precipitation, is divided into three portions: (1) the extreme southwestern portion, where the rain-fall ranges from 13 to 16 inches; (2) the southeastern part of the State, where the annual precipitation ranges between 28 and 34 inches; (3) the greater part of the middle and northern portions of the State has an annual average rain-fall between 19 and 24 inches. The annual rain-fall, however, is not as important as its distribution throughout the year, since the rain which falls in the winter months is not of that direct vital importance to the farmer as the rains of late spring and the entire summer. There is another factor connected with rain-fall which has a very important bearing upon agricultural interests, since it is known that an annual rain-fall of 24 inches may mean a rain fall of 40 inches in one year, followed by years in which the precipitation is only 10 or 15 inches. It has been pointed out in relation to the rain-fall of India—which is of vital importance to that densely populated country—that these variations in rain-fall lead to severe famines and great financial and personal distress over such sections as have an annual rain-fall less than 50 inches with a mean annual deviation greater than 12 per cent.

This unequal distribution of annual rain, as determined from a long period, is expressed in meteorology by the term "variability," or mean annual deviation. There are several methods of determining the mean annual deviation, but for the sake of uniformity the writer follows the method of Mr. Blandford, the meteorological reporter for the Government of India, whose method, while not entirely free from objection, is fairly satisfactory. Instead of extracting the mean from the sum of the departures, whether they be excesses or deficits, this variability is obtained by determining two means, one of which is calculated from excesses in the years of great rain-fall, and the other from the deficiencies in the years of small rain-fall. The mean annual deviation is obtained by taking half of the sum (neglecting the algebraic signs) of the two averages, calculated as stated above, from the excesses and from the deficiencies. The mean annual deviation for Nebraska is shown by the following table, wherein it appears that the deviation for the State is about 20 per cent., an amount which indicates the liability of Nebraska to occasional droughts:

Station.	Years of observation.	Mean annual rain-fall.*	Deviation.	Mean annual deviation.
				Per cent.
North Platte	20	18.09	3.25	17
Omaha	20	33.06	7.63	23
De Soto	20	29.62	5.88	20
Genoa	14	27.09	4.12	15
Sidney Barracks	11	14.52	4.24	29
Fort Kearney	11	24.08	4.59	19
Yankton, S. Dak	16	27.33	4.98	18

* The mean annual rain-falls used in this table were computed by dividing the sum of the annual amounts by the number of *whole* years' record and consequently differ slightly from the annuals found in Appendix No. 2, which are the sums of the monthly averages.

The State, however, is more favored in this respect than some of those to the westward and southwestward. While this deviation exhibits a liability to drought, yet, on the other hand, it shows a constancy of rain conditions which is not usually credited to Nebraska.

It is still a mooted question as to whether or not the rain-fall of Nebraska is increasing. From the amount and character of data at hand it can be said, that, contrary to an impression somewhat prevalent, there is no increase in amount of precipitation shown.

Recent investigations have brought out an important feature, viz, that the rain-fall has been better distributed throughout the year, as shown by an increase of the number of rainy days, and that the breaking up of the hard prairie land has checked evaporation, and enabled the rain-fall to penetrate the earth and thus increase its value to growing crops.

If this characteristic brought out from later records is to be accepted as a fact, such increase may be accounted for as resulting from increased cultivation, breaking up of the soil, and, not the least, perhaps, from the fact that the planting of trees has been so greatly stimulated by the observance of Arbor day, which the people of Nebraska, inaugurated and have been most faithful in maintaining.

It is noteworthy that the increase in frequency of rainy days has been observed in those portions of the State where the surface of the country has undergone the greatest transformation through the labors of the farmer.

TEMPERATURE.

The heterogeneous character of the temperature observations from Nebraska makes it difficult to chart the lines of equal temperature with the same accuracy as is possible for States which have been longer settled, and where meteorological observations have been made for many years. On Charts Nos. 6 to 10 appear, however, the average mean temperatures for the State of Nebraska for the year, and also for April, May, June, and July. While future observations may alter somewhat the contour of these lines, yet they fairly represent the normal conditions of the State as regards temperatures to be expected in the months named. As might be inferred from the topography of the State, the temperature decreases not only with the latitude from south to north, but also with increasing elevation from east to west.

The average annual temperature of the State ranges generally between 46° and 49°, but in the extreme southeastern portion of the State it is slightly above 50°.

During April the mean temperature of the eastern half of the State ranges from 48° to 53°, while in the extreme western portion it falls as low as 45°. The increase in temperature is general and rapid from April to May, and almost equally so from May to June. So quickly do the temperature conditions change, during these two months that the average increase is almost a third of a degree for each day. The temperature during July, the critical month for ripening purposes, ranges, as a rule, between 74° and 77°.

INSOLATION.

Unfortunately there are no observations extant regarding the amount of heat received directly from the sun in Nebraska. In view, however, of the low *absolute* humidity conditions prevalent in Nebraska, the amount of heat received from the sun is very much greater than obtains in localities having the same mean temperature, but nearer to the oceans or the great American lakes. Without doubt the rapid ripening of crops in Nebraska is largely dependent on the abnormally large amount of insolation. That the insolation is abnormally great appears from the large number (for the latitude) of continuous days with mean temperatures above 50°, which may be called a critical point for small grains. The number of continuous days with mean temperature above 50°, as determined from observations for a considerable number of years, is as follows:

Omaha	189
North Platte	175
Yankton	175
Valentine	161

The number of consecutive days with mean temperature above 59° shows a diminution of only about 24 per cent., being as follows:

Omaha	149
North Platte	134
Yankton	129
Valentine	120

EVAPORATION.

The small amount of aqueous vapor in the atmosphere, the relatively high summer temperatures, and the prevalence of moderate winds, facilitate greatly the phenomena of evaporation, which largely depends on the three meteorological elements above mentioned. From investigations made by Prof. Thomas Russell, of the Signal Bureau, dependent partly on eye-observations of evaporometers, and partly by theoretical connection with meteorological observations of wind, temperature, and dew point for preceding years, the annual amount of possible evaporation for Nebraska can be stated with a fair approximation to the truth.

The annual depth of evaporation, in inches of water, averages from 38 to 40 inches in the extreme eastern part of the State, and slowly increases to 50 inches in the western part, and possibly in the extreme southwestern corner may be equal to 60 inches per year. These figures, of course, do not represent the actual evaporation over the whole surface of the State, but only possibilities of evaporation. It should be understood that the *actual* amount of water taken up by the atmosphere depends upon the opportunity of evaporation, which in turn depends on the relative amount of land and water surface, the wetness or dryness of the soil, and the amount and character of vegetation.

It is evident, however, from these figures that the evaporating power of the atmosphere for Nebraska is very great, especially during the summer months; so that the State is not suited for the cultivation of any crops, or the growth of any vegetation which is injuriously affected by the contact of comparatively dry air and a consequent rapid evaporation.

FROST.

Owing to its elevation, comparatively high altitude, and the small amount of aqueous vapor present in the atmosphere, the State of Nebraska is at a disadvantage with some, but not all, sections of the country as regards late spring and early autumnal frosts.

The average date of last killing frost has been determined from observations of the Signal Service, supplemented by those of a large number of voluntary stations; so that the average date is fixed with a considerable degree of certainty. The date of the last killing frost, as a rule, falls in Nebraska for the southeastern part of the State in the second decade of April, but occurs gradually later to the north and westward, until on the one hundred and first meridian its appearance is deferred until the very end of April. In the extreme northwestern part of the State, in the mountainous regions, frosts are liable to occur, however, until the middle of May.

The following table shows, in the order named for the places referred to, (1) the number of years of observation from which the data are drawn; (2) the average date of last killing frost; (3) the earliest date on which the last killing frost occurred; (4) the last date on which the last killing frost occurred; (5) the percentage of times where the last killing frost has not been more than ten days earlier or later than the average date.

Station.	Length of record.	Date.			Percentage of occurrences within ten days before or after the average date.
		Average.	Earliest.	Latest.	
Brownville	7	Apr. 10	Apr. 3	Apr. 23	86
De Soto	17	Apr. 17	Apr. 1	May 7	59
Fremont	15	Apr. 15	Apr. 3	May 7	67
Genoa	12	Apr. 17	Mar. 20	Apr. 30	58
Hay Springs	3	May 15	May 3	May 28	33
Nebraska City	9	Apr. 21	Apr. 6	May 8	78
Ravenna	14	May 9	Apr. 15	June 11	57
Syracuse	5	Apr. 21	Apr. 4	May 9	.....
Weeping Water	13	June 2	May 8	June 23	78

It is important to note, also, that on an average two-thirds of the last killing frosts in Nebraska have prevailed within ten days of the mean date, so that the occurrence of this phenomenon may be, as a rule, expected with a great degree of certainty during a period ranging from ten days before to ten days after the average date given above.

Of more importance than the last killing frost is the first killing frost. The data in respect to this phenomenon have been obtained, not from the regular Signal Service stations, because, as a rule, they are in cities or towns—but rather from the observations of the voluntary observers of the Signal Service, who, being for the most part situated in the country, are better able to note accurately the earliest date and the extent of the damage to agricultural interests. Under the term "killing frost" is included only those frosts which are injurious to vegetables and other crops, not taking into consideration those which kill most delicate plants. Over the northwestern half of Nebraska the average date of the first killing frost falls within the first half of September, but in the extreme southeastern part of the State, south of the Platte River and east of the 99th meridian of longitude, the average date of these frosts falls between the 1st and 10th of October. This latter part of Nebraska, in this respect, is equally favored with the extreme southern parts of Illinois, Ohio, Indiana, Maryland, and Pennsylvania.

The following table shows (1) the number of years of observation from which the data are drawn; (2) the average date of the first killing frost; (3) the earliest date of first killing frost; (4) the last date of first killing frost; (5) the percentage of times when the interval was less than ten days:

Station.	Length of record.	Date.			Percentage of occurrences within ten days before or after the average date.
		Average.	Earliest.	Latest.	
Brownville	8	Oct. 21	Oct. 12	Nov. 2	87
De Soto	17	Oct. 10	Sept. 24	Oct. 31	59
Fremont	16	Oct. 17	Sept. 20	Nov. 9	57
Genoa	11	Oct. 1	Sept. 13	Nov. 1	64
Nebraska City	8	Oct. 15	Oct. 1	Oct. 29	75
Ravenna	13	Sept. 28	Sept. 12	Oct. 18	78
Syracuse	5	Oct. 14	Oct. 4	Oct. 27	80
Weeping Water	13	Sept. 13	Aug. 30	Oct. 9	78

STATE OF THE SKY.

An important element in climate and weather, in relation to health or agricultural interests, is the relative amount of sunlight. The observations of the Signal Service give this data indirectly and conversely by the presence of cloudiness. On page 7 is the average cloudiness in percentages for the stations of Omaha, North Platte, Valentine, and Yankton; whereby it will appear that Nebraska is a favored State as regards the amount of sunlight, particularly during that season of the year when this condition has an important and favorable bearing upon the growth, ripening, and harvesting of the staple crops. It is most important, as the crop grows, to have a gradually decreasing number of rainy days and of cloudiness with a corresponding increase in sunshine.

The average annual cloudiness for the state is 45 per cent., with its maximum in May, 54 per cent., with which is conjoined an average of about ten rainy days, and showers of about 0.30 inch in amount during that month. The average cloudiness diminishes, as the table shows, from its maximum of 54 per cent. in May to the minimum, 37 per cent. in September, while at the same time the number of rainy days in the latter month is only about one-half of those which obtain during May. The ripening and harvesting of the various crops, then, occur in Nebraska under more favorable conditions than are prevalent in Eastern States.

WINDS.

The mean velocity of the wind over the State of Nebraska accords closely with the average for the United States in the extreme eastern part of the State, but over the greater portion of it, it may be said to be high. The average velocity at Omaha is 8 miles; at North

Platte, 9 miles; and at Valentine, 11.3 miles. At the period of highest velocity, which occurs about the time of the maximum temperature of the day, the mean velocity at Omaha is 10.5 miles, and at North Platte 11.8 miles. During the night the velocity ranges from 6.5 to 7 miles at the former and from 7 to 9 miles at the latter. While the prevalence of wind considerably increases evaporation, yet on the other hand it insures the presence of mechanical power such as may be derived from the winds by wind-mills; there being a fair degree of certainty that this power may be depended upon at all seasons and all times of the day.

As a matter of value the mean hourly wind velocities deduced from seven years observations at Omaha and North Platte are given for each month of the year in Appendix No. 4.

In direction, the winds follow the great and regular air currents passing over the United States, that is, from west to east. From January to May, inclusive, the greatest percentage of winds are from the north or northwest, but from June to September, inclusive, their direction is more particularly from the south with a slight westerly tendency, while from October to December the prevailing winds are from the northwest or southwest.

TORNADOES.

In the minds of many persons the whole trans-Mississippi region is considered to be peculiarly liable to violent atmospheric disturbances, known under the name of tornadoes. It is difficult to pass with great definiteness upon the frequency of these phenomena, since there seems an inherent tendency in mankind to exaggerate the importance or violence of local phenomena, and thus to class as a tornado that which is only a severe thunder or hail storm. While undoubtedly the winds are violent in many thunder and hail storms which are not tornadoes, yet these very high winds are not in the shape of violent whirlwinds with currents more nearly vertical than horizontal, and consequently do not work the greater destruction and injury which result from tornadoes.

The State of Nebraska is rarely visited by tornadoes, and when they have occurred they have been almost invariably confined to the extreme eastern portion of the State, along the Missouri River. Destructive tornadoes have very rarely visited the State, and it is within bounds to say that such violent meteorological phenomena occur so infrequently and over such limited sections of country as to make them a matter of minor importance. As far as Nebraska is concerned they may be pronounced less destructive to life and property than thunder storms. This immunity of Nebraska from tornadoes occurs because, first, a considerable part of the State is rarely subjected to meteorological conditions favorable for such storms, which demand a plenteous supply of aqueous vapor and sharp and decided contrasts of temperatures, dew points, and barometric pressures; second, and perhaps a more satisfactory reason, is the locality of the State with reference to the passage of low area storms across the United States. The researches and compilations of Lieutenant Finley, of the Signal Corps, and others, have clearly shown that tornadoes do not occur in the immediate vicinity of the center of cyclonic storms. They bear, however, a definite and tolerably fixed relation to the storm center, but they occur at a distance of several hundred miles to the southeast of such center; consequently, the areas of low pressure, in connection with which these violent storms occur, are situated to the northwest of the tornado region. Fortunately for Nebraska, the greater part of the State finds itself in the westerly quadrants of low area storms, and so it almost entirely escapes the devastating effects of these violent whirlwinds.

ANNUAL AND DIURNAL FLUCTUATIONS.

In connection with the climate of Nebraska, it seems advisable to present the meteorological features, respective to diurnal and annual fluctuations, relative to at least one station in the State. For this purpose Omaha has been selected, not only from its importance as the greatest financial city of the State, but also from the fact that an observer of the Signal Service has been stationed at this point for a longer period than at any other place within the limits of the State.

On Chart No. 11 is noted the fluctuations throughout the year, at Omaha, of barometric pressure (reduced for temperature, but not to the level of the sea), of temperature, precipitation, average rain-fall for each rainy day, cloudiness, and wind direction in percentages. The barometric fluc-

tuation is expressed by a curve having but one bend or inflection, the pressure decreasing from its maximum in January to its minimum in April, May, and June; then rising quite regularly to the principal maximum at the close of the year. The coldest month is that of January, and the warmest that of July. As will be noted by reference to Chart No. 11, the pressure and temperature curves rather show that these phenomena obtain in substantially opposite phases during any given month of the year. The precipitation rises from the minimum in January to the maximum in June, whence it falls quite steadily to the minimum. The general feature of this curve is closely in accord with the temperature of the air, as might be expected from a State, as Nebraska, having a continental climate.

The cloudiness has substantially one maximum in April and May, falling thence regularly to the minimum in September, thus affording a large amount of sunshine during the seasons when the crops are ripening and the harvests are being gathered. From January to May, inclusive, the winds have a strong tendency to be from the north or northwest; from June to September, inclusive, the inclination is more particularly towards the south, while during the rest of the year the direction is from the northwest or southwest.

The normal hourly changes of pressure for the month of March, and of the temperature and winds for the months of January and July, are graphically exhibited on Chart No. 12. The hourly course of the barometer is represented by a curve having two bends or inflections with the principal maximum at 9 a. m., and the principal minimum at 4 p. m., with secondary phases at about 10.30 p. m., and 3.30 a. m., respectively. The diurnal amplitude amounts to .062 inch. The minimum temperature obtains about 6.15 a. m., and the maximum at about 3.15 p. m. during January, but in July the minimum occurs slightly earlier, at about 5 a. m., and the maximum a little later, at about 4 p. m. The hourly changes in the velocity of the wind for corresponding months show the minimum and maximum phases to be nearly in accord with those of the temperature; the maximum wind, however, occurring a little earlier than the maximum temperature. These relations appear plainly on Chart No. 12, showing the hourly fluctuations of wind and temperature.

In Appendix No. 5 will be found data showing the correction necessary to be applied to the mean temperature of any hour in any month of the year, to reduce such temperature to the true mean temperature of the day. It is to be noted, however, that the mean temperature obtained in this manner is liable to considerable error, in exceptional cases amounting to two or more degrees, but if the mean temperature be obtained through corrections applied to observations made at *any two hours of the same name*, the amount of the probable error is materially reduced and will rarely equal a degree.

APPENDIX NO. 1.

LIST OF STATIONS IN SOUTH DAKOTA, MINNESOTA, IOWA, MISSOURI, KANSAS, COLORADO, WYOMING, AND NEBRASKA FOR WHICH METEOROLOGICAL DATA ARE GIVEN.

The names of the stations have been arranged in the order in which they appear in the several degree squares on the map; thus, the first station on the list will be found in the western portion of the upper tier of squares, the second station east of the first one, and so on until all of the stations in that tier of squares shall have been listed. The stations in the remaining squares have been listed in the same manner.

Latitudes and longitudes are not in all cases astronomically correct. Those which have not been accurately determined are given according to their position on the latest standard maps.

Broken records are indicated by an asterisk (*) in the column "Length of record." The missing period may be ascertained by an inspection of the printed records as they appear in Appendices Nos. 2 and 3.

References: S. S., second order stations of the Signal Service; V. O., voluntary stations; W. S.,† stations of the Nebraska State Weather Service; M. D., Stations of the Medical Department of the Army reporting through the Surgeon-General.

†The voluntary observers in Nebraska also co-operate with the State service, but to simplify matters are here given as voluntary observers only.

List of stations, geographically arranged, in South Dakota, Minnesota, Iowa, Missouri, Kansas, Colorado, Wyoming, and Nebraska, for which meteorological data are given.

Class.	Station.	County.	Latitude.	Longitude.	Elevation above sea-level.	Record.			T or R. missing.	Remarks.
						Length.	From—	To (inclusive)—		
			° ′	° ′	*Feet.*	*Yrs. Mo.*				
S. S.	Rapid City, S. Dak	Pennington	44 04	103 17	3,280	4 7	Feb., 1881	Mar., 1890	....	Observer, Signal Service.
M. D.	Fort Hale, S. Dak	Lyman	44 02	99 26	.....	5 5	Jan., 1879	May, 1884	....	Post surgeon, U. S. Army.
V. O.	New Ulm, Minn	Brown	44 19	94 30	821	14 11*	Jan., 1864	Oct., 1887	....	C. Roos.
M. D.	Fort Randall, S. Dak	Todd	43 04	98 42	1,245	32* 0	Nov., 1856	Mar., 1890	....	Post surgeon, U. S. Army.
V. O.	Parkston, S. Dak	Hutchinson	43 25	98 00	1,500	2 9*	Feb., 1887	Mar., 1890	....	John J. Swartz.
V. O.	Olivet, S. Dak	do	43 14	97 41	1,200	5 6	June, 1877	Nov., 1882	....	Solon M. Daboll.
S. S.	Fort Laramie, Wyo	Laramie	42 14	104 29	4,519	27 6*	Sept., 1849	Jan., 1890	....	Observer, Signal Service, also post surgeon, U. S. Army.
M. D.	Fort Robinson, Nebr	Dawes	42 39	103 24	.....	6 8	July, 1883	Mar., 1890	....	Post surgeon, U. S. Army.
M. D.	Camp Sheridan, Nebr	Sheridan	42 51	102 39	.....	4 8	July, 1876	Mar., 1881	....	Do.
V. O.	Hay Springs, Nebr	do	42 40	102 38	.....	4 3	Jan., 1886	Mar., 1890	....	William Waterman.
S. S.	Valentine, Nebr	Cherry	42 50	100 32	2,613	4 6	Sept., 1885	Mar., 1890	..	Observer, Signal Service.
M. D.	Fort Niobrara, Nebr	do	42 46	100 25	.....	7 3*	Aug., 1880	Mar., 1890	....	Post surgeon, U. S. Army.
W. S.	Kennedy, Nebr	do	42 30	100 53	.....	1 2	Feb., 1889	Mar., 1890	....	Mrs. M. G. Erickson.
V. O.	Bingham, Nebr	Sheridan	42 05	101 05	.....	0 8	June, 1889	Feb., 1890	....	W. C. Wood.
W. S.	Richmond, Nebr	Holt	42 36	99 09	.....	1 6	Apr., 1875	Sept., 1876	....	Henry W. Brown.
S. S.	Yankton, S. Dak	Yankton	42 54	97 28	1,234	17 0	Apr., 1873	Mar., 1890	....	Observer, Signal Service.
W. S.	Santee Agency, Nebr	Knox	42 49	97 43	.....	4 5	May, 1871	Sept., 1875	....	George S. Truman.
V. O.	Creighton, Nebr	do	42 27	97 48	.....	2 2	Dec., 1886	Mar., 1890	....	George Roberts.
W. S.	Neligh, Nebr	Antelope	42 07	97 59	.....	1 4*	Aug., 1883	Mar., 1886	T	B. R. Bucham, H. E. Huxford.
W. S.	Oakdale, Nebr	do	42 04	97 57	1,722	1 2*	Dec., 1888	Mar., 1890	....	G. S. Clingman.
W. S.	Newcastle, Nebr	Dixon	42 38	96 52	800	0 8*	June, 1870	Mar., 1871	R	L. N. Smith.
S. S.	Sioux City, Iowa	Woodbury	42 35	96 27	1,258	9 3*	Aug., 1857	Mar., 1890	....	Dr. J. J. Saville; A. J. Millard; post surgeon, U. S. Army; observer, Signal Service.
V. O.	Dakota City, Nebr	Dakota	42 25	96 25	1,090	1 7*	Oct., 1867	Aug., 1869	....	H. H. Brown.
V. O.	Omaha Agency, Nebr	Burt	42 06	96 21	.....	5 2*	Jan., 1868	Oct., 1873	....	W. Hamilton, S. O. Lee.
V. O.	Smithland, Iowa	Woodbury	42 14	95 57	.....	9 9*	Apr., 1878	Dec., 1888	....	Charles Rice, M. D.
V. O.	Sac City, Iowa	Sac	42 25	95 30	.....	15 4*	Apr., 1870	Mar., 1890	....	D. B. Nelson, Sidney Smith, Dr. Caleb Brown.
V. O.	Vail, Iowa	Crawford	42 00	95 25	.....	5 1*	Feb., 1875	June, 1881	....	I. S. Dunning.
S. S.	Cheyenne, Wyo	Laramie	41 08	104 18	6,105	19 11*	Jan., 1870	Mar., 1890	....	Observer, Signal Service; post surgeon, U. S. Army.

List of stations, etc.—Continued.

Class.	Station.	County.	Latitude.	Longitude.	Elevation above sea-level.	Record. Length.	Record. From—	Record. To (inclusive)	T. or R. missing.	Remarks.
			° ′	° ′	*Feet.*	*Yrs. Mo.*				
V. O.	Gering, Nebr	Cheyenne	41 49	103 38	.....	0 8	July, 1889	Mar., 1890	...	John P. Finley.
W. S.	Kimball, Nebr	do	41 13	103 40	.....	2 1*	Oct., 1887	Mar., 1890	....	W. G. Barton.
M. D.	Fort Sidney, Nebr	do	41 09	102 59	4,090	12 0*	June, 1872	Mar., 1890	...	Post surgeon, U. S. Army.
W. S.	Ogallala, Nebr	Keith	41 00	101 53	.....	2 11*	Feb., 1885	Feb., 1888	R	Dr. L. M. Lane.
S. S.	North Platte, Nebr	Lincoln	41 08	100 45	2,841	15 6	Oct., 1874	Mar., 1890	....	Observer, Signal Service.
M. D.	Fort McPherson, Nebr	do	41 00	100 03	2,695	12 9*	Nov., 1866	Apr., 1880	....	Post surgeon, U. S. Army.
W. S.	Sargent, Nebr	Custer	41 38	99 22	.....	3 10*	Feb., 1883	Mar., 1890	....	J. S. Spooner.
V. O.	Ansley, Nebr	do	41 15	99 22	.....	1 5	Nov., 1888	Mar., 1890	....	Peter Fowlie.
M. D.	Fort Hartsuff, Nebr	Valley	41 43	99 00	.....	5 9	Sept., 1875	May, 1881	....	Post surgeon, U. S. Army.
W. S.	North Loup, Nebr	do	41 28	98 50	.....	1 4	Nov., 1888	Mar., 1890	...	M. B. C. True.
V. O.	Austin, Nebr	Sherman	41 12	98 53	.....	1 1	Dec., 1889	Dec., 1890	R	T. B. Nagelroost.
W. S.	Palmer, Nebr	Merrick	41 14	98 15	.....	2 1*	Jan., 1888	Mar., 1890	....	C. Shieldstream.
W. S.	Ravenna, Nebr	Buffalo	41 02	08 54	.....	3 3*	Aug., 1886	Mar., 1890	...	E. Smith.
V. O.	Beaver Creek, Nebr	do	41 00	98 57	.....	3 10*	Jan., 1882	July, 1886	T	Erastus Smith.
S. S.	Central City, Nebr	Merrick	41 04	08 00	1,708	5 3*	Aug., 1877	Dec., 1886	...	Observer, Signal Service; C. Shieldstream.
W. S.	Norfolk, Nebr	Madison	41 59	07 23	1,532	5 8*	Feb., 1873	July, 1884	....	Lewis Sessions.
V. O.	Madison, Nebr	do	41 48	97 27	1,585	1 1	Dec., 1884	Dec., 1885	..	A. C. Tyrrel.
W. S.	West Hill, Nebr	Platte	41 33	07 49	.....	4 1	Dec., 1884	Jan., 1890	....	J. L. Truman.
V. O.	Genoa, Nebr	Nance	41 26	07 43	1,584	14 4	Dec., 1875	Mar., 1890	...	George S. Truman.
V. O	David City, Nebr	Butler	41 15	97 06	1,619	1 5*	Sept., 1888	Mar., 1890	....	J. R. Townsend.
W. S.	Stromsburgh, Nebr	Polk	41 06	07 35	1,636	3 10*	Aug., 1883	Aug., 1887	..	George S. Osborne.
V. O.	West Point, Nebr	Cuming	41 50	96 42	1,326	4 0*	Apr., 1873	Mar., 1890	T	N. H. Shaw, E. G. Brunor.
V. O.	Craig, Nebr	Burt	41 50	96 25	.....	0 10	Apr., 1889	Jan., 1890	....	E. F. Irwin.
V. O.	Fontanelle, Nebr	Washington	41 33	96 28	1,000	2 8*	Jan., 1859	Nov., 1869	..	H. Gibson, J. Evans.
M. D.	Fort Calhoun, Nebr	do	41 28	96 00	1,327	7 0	Jan., 1820	Dec., 1826	R	Same as Old Council Bluffs; post surgeon, U. S. Army.
V. O.	De Soto, Nebr	do	41 28	96 03	1,100	22 11*	Jan., 1867	Mar., 1890	....	Charles Seltz.
V. O.	Yutan, Nebr	Saunders	41 19	96 23	.....	1 10*	June, 1884	Jan., 1887	....	A. P. Bryant.
V. O.	Clear Creek, Nebr	do	41 16	96 41	1,150	9 10	June, 1874	May, 1884	....	Do.
W. S.	Weston, Nebr	do	41 11	96 43	1,260	0 11	Apr., 1889	Mar., 1890	...	J. R. Campbell.
V. O.	Fremont, Nebr	Dodge	41 25	96 27	1,203	8 0	Apr., 1882	Mar., 1890	....	Isaac E. Heaton, Rev. L. F. Berry.
W. S.	Ashland, Nebr	Saunders	41 02	96 20	1,100	5 11*.	Sept., 1883	Jan., 1890	....	George Shedd.
V. O.	Logan, Iowa	Harrison	41 39	95 47	900	23 8*	May, 1866	Mar., 1890	....	J. F. Stearn, Mrs. M. B. Stearn.
V. O.	Richland, Nebr	Douglass	41 22	96 16	.....	11 5*	July, 1858	Mar., 1870	R	Miss A. M. J. Bowen, J. S. Bowen.
S. S.	Omaha, Nebr	do	41 16	95 56	1,113	23 8*	June, 1857	Mar., 1890	....	Observer, Signal Service, W. N. Byers; J. G. Paine, J. S. Allen.
V. O.	Bellevue, Nebr	Sarpy	41 08	95 52	.....	15 3*	Mar., 1858	Dec., 1874	...	H. Hamilton, E. E. Caldwell.
V. O.	Glenwood, Iowa	Mills	41 03	95 42	1,080	19 3*	Jan., 1867	Mar., 1890	....	Seth Dean, Mason Baylis.
V. O.	Fort Collins, Colo	Routt	40 38	105 05	5,000	8 8*	Nov., 1872	Mar., 1890	...	R. Q. Tenney, C. F. Davis, Elwood Mead, Prof. L. G. Carpenter.
W. S.	Longmont, Colo	Boulder	40 12	105 04	.....	1 11*	Jan., 1888	Jan., 1890	...	E. J. Clark.
V. O.	Greeley, Colo	Weld	40 26	104 42	4,607	1 6	Oct., 1887	Mar., 1890	....	Bethel.
M. D.	Fort Sedgwick, Colo	do	41 00	102 30	3,060	4 0*	Apr., 1867	Apr., 1871	..	Post surgeon, U. S. Army.
W. S.	Red Willow, Nebr	Red Willow	40 14	100 30	.....	5 7*	June, 1882	June, 1889	....	Mrs. R. Buck.
V. O.	Culbertson, Nebr	Hitchcock	40 12	100 48	2,572	2 6*	July, 1887	Mar., 1890	....	G. D. Carrington.
W. S.	Keene, Nebr	Kearney	40 25	09 04	.....	1 9*	Feb., 1884	Dec., 1885	....	Susie and Addie Le Bar.
V. O.	Grand Island, Nebr	Hall	40 55	98 21	.....	0 8*	May, 1888	Mar., 1890	....	J. H. Warren and J. B. Moore.
W. S.	Marquette, Nebr	Hamilton	40 58	98 00	1,825	7 10*	May, 1882	Mar., 1890	T	John Ellis.
M. D.	Fort Kearney, Nebr	Kearney	40 38	98 57	2,360	17 2*	Mar., 1849	Oct., 1882	....	Post surgeon, U. S. Army.
W. S.	Minden, Nebr	do	40 29	98 57	.....	5 8*	Jan., 1882	Mar., 1890	...	J. Hull
V. O.	Harvard, Nebr	Clay	40 37	98 02	1,812	1 0*	Dec., 1884	Sept., 1887	...	M. F. Wistrom.
V. O.	Lexington, Nebr	Dawson	40 20	98 50	.....	0 7*	Apr., 1889	Mar., 1890	....	G. F. Cain, J. M. Tipton.
W. S.	Franklin, Nebr	Franklin	40 06	98 56	1,820	1 2*	Jan., 1888	Mar., 1890	....	W. A. Harshbargar.
W. S.	Inavalo, Nebr	Webster	40 05	98 37	.....	2 1*	Jan., 1882	May, 1885	T	G. W. Knight.
V. O.	Red Cloud, Nebr	do	40 05	98 37	1,729	1 1*	Mar., 1872	Aug., 1874	....	J. H. and E. Kellogg.
W. S.	Superior, Nebr	Nuckolls	40 02	98 02	1,574	3 2*	Jan., 1882	July, 1889	....	E. H. Kern
W. S.	York, Nebr	York	40 53	97 34	1,642	1 6*	May, 1884	July, 1887	T	D. P. Nicholson.
V. O.	Utica, Nebr	Seward	40 57	97 13	1,589	1 0*	Sept., 1882	Dec., 1883	....	J. W. Jackman.
W. S.	Stockham, Nebr	Hamilton	40 43	97 57	.....	5 1*	Jan., 1882	Apr., 1887	....	J. W. Gray.
V. O.	Saronville, Nebr	Clay	40 30	97 55	.....	0 4	Oct., 1889	Jan., 1890	T	A. B. Hollenbeck.
W. S.	Sutton, Nebr	do	40 37	97 50	.....	1 7	Jan., 1882	Aug., 1883	T	Dr. Martin Clark.
V. O.	Milford, Nebr	Seward	40 46	97 01	1,414	1 1*	Jan., 1882	June, 1883	..	P. J. Hooker.
V. O.	Fairbury, Nebr	Jefferson	40 08	97 08	1,316	5 7*	Sept., 1883	Mar., 1890	T	Dr. I. Humphrey.
V. O.	Plymouth, Nebr	do	40 15	97 00	1,360	0 7	May, 1873	Nov., 1873	R	W. F. Ware.
V. O.	Glendale, Nebr	Cass	40 55	96 05	1,300	4 3*	Aug., 1861	Dec., 1869	....	Dr. A. L. Child and daughter.
V. O.	Weeping Water, Nebr	do	40 53	96 08	.....	7 11*	Jan., 1882	Mar., 1890	..	G. Treat.
W. S.	Lincoln, Nebr	Lancaster	40 48	96 40	1,647	5 11*	Feb., 1881	Feb., 1890	....	University of Nebraska.
W. S.	Palmyra, Nebr	Otoe	40 43	96 22	1,150	1 0	Jan., 1882	Jan., 1883	T	E. Griswold.
S. S.	Crete, Nebr	Saline	40 38	96 59	1,368	7 9*	Jan., 1882	Mar., 1890	...	Dr. E. L. Childs, Prof. G. D. Swezey, observer, Signal Service.
V. O.	Syracuse, Nebr	Otoe	40 40	96 00	1,300	13 6*	June, 1871	Mar., 1890	....	Wm. Dunn, P. W. Risser.
W. S.	De Witt, Nebr	Saline	40 23	96 54	1,299	4 9*	Mar., 1882	May, 1888	..	F. C. Ware.
V. O.	Tecumseh, Nebr	Johnson	40 22	96 10	1,113	5 5*	June, 1884	Feb., 1890	..	W. L. Dunlap.
W. S.	Cedar Bend, Nebr	Gage	40 17	96 30	.....	1 3*	Jan., 1882	June, 1883	T	T. B. Boggs.
W. S.	Mission Creek, Nebr	Pawnee	40 06	96 08	.....	2 3*	Jan., 1882	Sept., 1887	...	M. K. Walker.
W. S.	Table Rock, Nebr	do	40 10	96 04	1,028	2 11*	Jan., 1882	May, 1885	....	E. D. Howe and Lucy Pepoon.
W. S.	Pawnee City, Nebr	do	40 06	96 08	1,180	1 7*	Jan., 1882	May, 1884	....	Professor Gowdy, R. B. Wallace, W. H. Gardner.
V. O.	Plattsmouth, Nebr	Cass	41 00	95 50	983	13 7*	July, 1873	Mar., 1890	...	Dr. A. Child, H. B. Burgess.

List of stations, etc.—Continued.

Class.	Station.	County.	Latitude.	Longitude.	Elevation above sea-level.	Record.			T. or R. missing.	Remarks.
						Length.	From—	To (inclusive)—		
			° ′	° ′	*Feet.*	*Yrs. Mo.*				
W. S.	Nebraska City, Nebr	Otoe	40 40	95 49	941	11 3*	May, 1859	Mar., 1890	....	J. B. Parmalee.
V. O.	Howe, Nebr	Nemaha	40 25	95 50	.....	0 7	Sept., 1889	Mar., 1890	....	G. D. Carrington.
V. O.	Howard, Nebr	do	40 30	95 56	.....	6 10	Nov., 1874	Oct., 1881	....	Charles Blodgett.
V. O.	Peru, Nebr	do	40 28	95 43	1,000	2 11*	June, 1867	July, 1884	..	J. M. and Mary McKenzie.
V. O.	Brownville, Nebr	do	40 23	95 40	.....	3 6*	May, 1858	Aug., 1889	..	C. B. Smith, G. D. Carrington.
W. S.	Dawson, Nebr	do	40 08	95 04	.....	2 5*	Oct., 1883	May, 1887	..	E. C. Dawson, M. C. Libbee.
W. S.	Johnson, Nebr	do	40 24	95 58	.....	1 5*	Mar., 1882	Apr., 1884	.	W. F. Wright.
W. S.	Stella, Nebr	Richardson	40 14	95 46	.....	0 6*	May, 1883	Feb., 1884	R	Horace Martin.
V. O	Falls City, Nebr	do	40 03	95 35	904	5 10*	Aug., 1883	Mar., 1890	..	Dr. A. B. Newkirk, Robert Clegg.
W. S.	Monument, Kans	Logan	39 06	101 01	3,180	4 10*	Jan., 1885	Feb., 1890	....	Agent Union Pacific Railroad.
V. O.	Allison, Kans	Decatur	39 34	100 16	.....	6 6	Oct., 1883	Mar., 1890	....	John J. Cass.
W. S.	Buffalo Park, Kans	Gove	39 07	100 21	2,755	3 4*	Jan., 1885	Feb., 1890	....	Agent, Union Pacific Railroad.
V. O.	Belleville, Kans	Republic	39 50	97 34	1,536	7 1*	Feb., 1872	Dec., 1889	T	O. A. A. Gardner, A. A. Carr, A. B. Graves.
S. S.	Concordia, Kans	Cloud	39 35	97 41	1,384	4 11	May, 1885	Mar., 1890	....	Observer, Signal Service.
S. S.	Waterville, Kans	Marshall	39 40	96 42	1,183	3 9*	Aug., 1877	Nov., 1888	T	Observer, Signal Service, H. Humfreyville.
M. D.	Fort Riley, Kans	Davis	39 02	96 45	1,072	35 10*	Nov., 1853	Mar., 1890	....	Post surgeon, U. S. Army.
V. O.	Oregon, Mo	Holt	39 59	95 09	1,100	34 5*	July, 1855	Mar., 1890	....	W. Kaucher, Mrs. W. Kaucher.
V. O.	Atchison, Kans	Atchison	39 34	95 09	973	13 5*	May, 1865	Sept., 1886	....	Dr. H. B. Storm and daughter.
V. O.	Holton, Kans	Jackson	39 28	95 43	1,026	15 8*	May, 1867	Mar., 1885	....	Dr. James Waters.
S. S.	Topeka, Kans	Shawnee	39 03	95 41	884	11 0	Oct., 1878	Mar., 1890	....	Observer, Signal Service, Washburn College.
S. S.	Leavenworth, Kans	Leavenworth	39 19	94 57	842	20 3	Jan., 1870	Mar., 1890	....	Dr. J. Stayman and H. McCarty, to May, 1871; observer, Signal Service.
M. D.	Fort Wallace and Wallace, Kans.	Wallace	38 54	101 33	3,301	14 8*	Jan., 1870	Mar., 1890	....	Post surgeon, U. S. Army; observer, Signal Service.

APPENDIX No. 2.

MONTHLY AND ANNUAL PRECIPITATION AT SIX STATIONS IN SOUTH DAKOTA, ONE IN MINNESOTA, SIX IN IOWA, ONE IN MISSOURI, TWELVE IN KANSAS, FOUR IN COLORADO, TWO IN WYOMING, AND EIGHTY-FIVE IN NEBRASKA.

Interpolated values are entered in brackets [ ]. As a rule interpolations have been made from the Monthly Weather Review Charts which contain data from all available sources, and thus afford facilities for a very close approximation to the actual conditions which existed during the interpolated periods.

References: Capital T indicates trace of precipitation; small letters of the alphabet indicate the number of days missing from the record against which they appear: thus, "c" denotes three days missing, etc.

NOTE.—Temperature and rain-fall data for the year 1887 from Ashland, De Witt, Dawson, Falls City, Minden, Mission Creek, Ogallala, Nebraska City, Ravenna, Red Willow, Sargeant, Stromsburgh, Syracuse, Weeping Water, West Hill, and York, Neb., were not compiled in time to be used in the preparation of Charts No. 1 to 5, inclusive.

RAPID CITY, S. DAK.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1881	.....	0.77	0.78	0.95	2.02	3.67	2.64	0.20	1.45	0.71	0.12	0.00	.....
1882	0.20	0.19	0.07	3.47	4.71	5.07	1.80	0.66	0.50	0.60	0.60	0.40	18.27
1883	0.18	0.20	0.35	0.90	11.02	.....	.....	.....	.....	.....	.....	.....	.....
1888	0.33	1.62	1.76	0.41	6.01	4.74	1.69	4.76	0.02	0.43	0.47	0.51	22.75
1889	0.52	1.39	0.56	4.22	2.19	2.97	4.52	0.11	0.37	0.43	0.32	0.33	17.93
1890	0.47	0.66	1.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.34	0.84	0.82	1.99	5.19	4.11	2.66	1.43	0.58	0.54	0.38	0.31	19.19

FORT HALE, S. DAK.

1879	0.14	0.08	0.20	1.50	3.04	4.04	2.54	0.54	0.96	0.80	T	0.82	14.66
1880	0.22	0.60	0.34	0.42	3.68	4.58	0.82	5.46	0.00	1.36	0.06	1.12	18.66
1881	1.50	3.08	1.66	0.60	3.92	4.56	2.28	2.78	1.30	3.20	0.68	T	25.56
1882	0.60	0.48	0.86	2.04	2.54	3.11	2.98	0.92	0.50	3.44	0.50	0.11	18.08
1883	0.71	1.45	1.21	1.94	4.33	2.17	3.32	2.88	0.76	2.81	0.00	0.40	21.98
1884	0.16	0.84	1.56	2.07	m 0.46	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.56	1.09	0.97	1.43	3.00	3.69	2.39	2.52	0.70	2.32	0.25	0.49	19.79

NEW ULM, MINN.

1864	.....	.....	2.75	.....	1.00	2.37	8.69	2.00	0.44	2.34	0.16	1.08	.....
1865	0.40	1.76	2.45	4.11	6.12	3.87	5.12	4.53	2.55	3.11	0.31	0.99	35.32
1866	1.27	0.40	0.54	1.98	0.35	3.75	3.05	6.34	2.02	0.66	1.83	0.24	22.43
1867	0.84	1.28	3.34	1.73	3.72	11.65	4.40	0.11	3.61	0.99	0.13	0.35	32.15
1868	0.86	0.79	0.51	2.20	7.36	2.50	3.62	0.90	3.89	2.66	3.73	0.61	29.63
1869	0.38	2.43	0.91	0.73	1.35	2.52	2.90	5.30	5.70	0.61	0.60	0.50	23.93
1870	1.74	0.17	1.78	0.57	3.70	2.25	2.44	6.95	2.10	0.73	1.10	0.35	23.88
1871	1.13	0.44	1.12	2.59	1.30	1.35	3.88	2.50	0.62	1.69	1.99	0.18	18.79
1872	0.55	0.85	0.55	1.65	4.14	5.06	7.66	2.38	1.49	3.40	1.89	0.34	29.96
1873	1.71	1.13	0.35	2.29	5.68	3.37	1.67	3.18	1.81	2.88	0.35	0.53	24.95
1874	0.42	1.20	1.66	0.50	1.15	5.78	2.03	1.15	3.05	1.46	0.49	0.84	19.73
1875	0.75	0.96	1.03	0.78	3.37	3.66	0.30	8.13	1.64	0.30	0.12	0.37	21.41
1876	2.55	1.29	0.77	0.99	2.31	0.45	3.74	3.67	5.23	1.15	1.37	0.88	24.40
1877	0.71	[1.06]	2.23	2.13	2.48	2.50	1.62	0.70	1.38	1.26	1.15	1.82	[19.04]
1881	.....	.....	.....	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	.....	.....	.....	.....	1.08	.....	.....	.....	.....
Means	1.02	1.06	1.43	1.62	3.14	3.65	3.65	3.42	2.44	1.66	1.09	0.65	24.83

FORT RANDALL, S. DAK.

1857	0.91	0.72	0.11	1.21	1.96	1.98	1.94	1.14	3.10	2.04	0.85	0.20	16.16
1858	1.70	0.45	0.38	2.17	3.22	1.36	3.85	3.96	0.92	2.76	0.26	0.27	21.30
1859	0.04	0.70	1.76	0.22	3.75	3.15	0.26	3.84	1.38	0.18	0.28	0.14	15.70
1860	0.00	0.32	0.20	1.28	4.36	3.40	2.32	1.58	4.05	1.20	0.40	0.08	19.19
1861	0.37	0.10	1.34	1.54	2.76	2.18	1.47	4.66	4.27	0.64	0.36	0.54	20.23
1862	0.56	0.27	0.74	1.43	2.35	1.29	0.47	4.40	3.46	0.04	0.20	0.30	15.51

Statement showing the precipitation in inches and hundredths—Continued.

FORT RANDALL, S. DAK.—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1863	0.14	0.20	0.20	0.90	0.22	1.44	1.01	0.15	1.56	0.50	0.24	0.68	7.24
1864	0.20	T	0.54	0.30	.....	0.70	0.30	1.50	1.64	1.60	T	0.00	.....
1865	0.00	0.40	0.72	0.38	[.31]	.....	.....	.....	0.00	.....	.....	.....	.....
1866	.....	.....	.....	.....	.....	.....	.....	.....	3.94	0.26	1.50	0.14	.....
1867	0.59	0.63	0.76	0.10	4.08	3.60	2.92	0.74	0.00	[1.31]	[0.49]	0.57	[15.85]
1868	0.74	0.68	1.22	0.84	4.50	2.26	0.64	1.33	0.44	1.33	0.33	0.32	14.63
1869	[0.41]	0.20	1.21	0.96	1.81	1.24	5.18	[2.60]	2.38	0.07	0.52	0.34	[16.92]
1870	0.35	T	0.81	0.87	2.23	0.49	0.29	0.03	1.69	0.11	0.03	0.22	7.12
1871	0.05	0.76	0.18	2.11	[3.54]	0.48	1.53	4.44	0.48	0.41	1.28	0.21	[15.47]
1872	[0.41]	0.22	0.85	1.06	8.67	1.65	2.13	2.00	0.13	1.13	0.11	0.06	[18.41]
1873	0.47	1.66	0.13	2.73	4.71	3.13	1.20	0.20	0.60	3.10	0.05	0.24	18.30
1874	0.11	0.21	0.88	0.58	1.76	5.70	2.71	1.49	1.16	*1.78	0.76	0.76	17.90
1875	0.72	0.42	0.77	1.60	2.09	12.82	0.75	5.15	3.70	T	T	0.10	28.72
1876	0.47	0.75	2.49	2.07	2.70	1.80	8.55	4.90	8.45	0.45	0.70	0.50	33.89
1877	T	0.20	1.90	4.35	8.15	6.60	4.10	2.20	2.10	5.95	0.90	4.75	41.20
1878	0.30	0.50	1.48	6.30	4.98	7.80	11.85	0.70	2.70	0.58	1.10	*1.01	39.30
1879	T	*0.52	0.60	2.42	0.40	3.25	2.45	1.95	0.35	0.75	T	2.05	20.83
1880	1.66	1.87	1.61	1.07	6.21	4.80	3.10	3.80	0.20	3.20	T	0.50	27.42
1881	0.10	1.30	2.55	2.05	6.05	3.15	1.35	1.85	3.95	1.90	0.60	0.10	24.95
1882	0.20	2.00	1.50	3.40	2.70	4.40	1.60	3.50	0.50	3.90	T	2.20	25.90
1883	0.80	1.70	2.30	1.70	4.70	5.00	4.80	1.90	1.50	2.20	T	3.51	30.11
1884	0.58	0.47	2.98	2.80	1.70	4.31	2.32	2.39	0.04	0.97	0.07	1.08	19.71
1885	0.20	0.42	0.13	1.78	1.75	6.16	3.83	5.17	2.36	1.16	1.48	0.12	24.56
1886	0.41	0.32	1.50	3.39	2.62	2.02	0.24	4.25	4.05	0.91	1.04	0.75	21.50
1887	0.24	0.58	0.20	1.14	0.31	0.88	2.90	3.49	1.68	0.36	0.74	4.21	10.73
1888	0.20	0.47	0.92	1.30	5.66	2.64	[2.30]	3.71	0.66	0.66	[0.19]	0.00	[19.37]
1889	0.75	0.40	0.25	1.95	1.97	1.43	5.49	1.54	3.00	0.60	1.10	0.45	19.02
1890	0.60	0.12	1.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.41	0.59	1.04	1.75	3.54	3.28	2.71	2.60	2.02	1.31	0.49	0.84	20.58

*Incomplete.

PARKSTON, S. DAK.

1887	[0.25]	1.75	0.05	3.17	1.37	2.94	5.20	10.84	0.75	0.15	0.40	2.50	[29.97]
1888	0.60	0.08	1.55	1.84	8.98	1.16	2.15	.....	.....	.....	0.10	0.20	.....
1889	1.02	0.75	0.11	[2.00]	[2.50]	2.64	3.86	2.67	0.54	0.70	0.76	1.25	[24.80]
1890	0.95	0.20	1.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.70	0.70	0.94	2.34	4.27	2.25	3.74	0.76	3.64	0.42	0.42	1.32	27.50

OLIVET, S. DAK.

1877	.....	.....	.....	.....	.....	3.14	3.23	2.31	1.44	4.82	0.80	2.80	.....
1878	0.08	0.43	0.36	4.90	2.48	3.37	5.96	1.11	2.56	0.08	0.50	1.60	23.49
1879	0.10	0.51	0.42	1.20	2.66	5.35	1.83	2.02	1.57	1.09	0.07	0.72	17.54
1880	0.39	0.46	0.80	0.31	5.90	6.03	2.30	5.62	0.59	2.02	0.03	0.95	25.40
1881	1.40	3.00	2.69	2.45	10.08	2.82	1.30	3.95	6.34	2.75	0.38	0.15	37.31
1882	0.34	0.75	0.34	3.64	3.17	6.69	2.97	3.14	0.37	3.03	0.25	[0.64]	[25.33]
Means	0.46	1.03	0.92	2.51	4.86	4.57	2.93	3.02	2.14	2.30	0.34	1.26	25.94

FORT LARAMIE, WYO.

1849	.....	.....	.....	.....	.....	.....	.....	.....	0.21	2.72	0.24	0.38	.....
1850	0.30	0.42	1.31	1.03	1.41	1.40	1.80	0.51	0.22	0.23	0.23	[0.50]	[9.36]
1851	.....	.....	.....	0.16	4.21	0.33	0.32	0.78	0.42	0.36	0.52	0.88	.....
1852	0.72	1.10	1.55	1.25	7.29	4.08	1.88	1.46	2.74	1.70	6.42	1.23	31.42
1853	0.08	0.57	1.78	4.53	12.19	4.95	1.86	0.55	2.80	0.68	0.08	0.71	30.78
1854	0.18	0.40	0.80	3.98	4.46	3.67	3.26	1.27	1.60	1.86	0.73	0.05	22.26
1855	0.04	1.08	1.41	0.65	2.79	3.25	1.45	2.93	3.39	0.62	0.18	1.20	18.99
1856	0.55	0.45	1.75	0.34	3.51	0.82	4.15	2.55	0.23	0.29	0.21	0.17	15.02
1857	0.33	0.53	0.00	0.07	1.45	0.12	0.04	1.87	0.10	1.33	0.05	0.06	6.15
1858	0.00	1.02	0.02	0.09	1.12	0.80	1.14	1.81	0.70	1.43	0.32	0.45	7.90
1859	0.01	0.00	0.00	0.18	2.11	0.03	1.33	0.57	0.49	0.22	1.12	0.20	6.26
1801	0.50	0.82	.....	.....	.....	2.78	2.50	.....	0.35	0.74	.....	0.62	.....
1802	0.80	0.10	0.50	0.41	4.36	2.39	0.28	1.91	1.14	0.21	0.00	0.60	12.70
1863	0.20	0.06	0.07	0.06	0.02	0.04	1.20	0.25	0.60	[0.85]	[0.51]	0.80	[4.66]
1864	4.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1868	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.14	0.06	.....
1869	0.30	1.04	0.54	0.80?	0.83	1.55	1.16	0.96	0.62	0.98	0.40	0.28	9.46
1870	0.30	0.06	0.30	2.59	0.88	0.47	1.05	0.97	2.70	2.35	T	*0.05	11.72
1871	0.40	0.60	T	*1.00	.....	T	2.00	0.80	1.10	*0.14	T	*0.20	.....
1872	.....	T	.....	2.75	3.00	.....	3.75	1.00	0.50	0.50	T	0.80	.....
1873	*0.70	4.00	0.50	4.75	3.50	1.00	0.58	0.62	T	0.10	0.10	2.50	18.35
1874	2.00	1.25	0.48	2.25	0.50	1.17	0.20	0.95	1.20	2.15	0.06	T	12.21
1875	0.64	T	T	[1.27]	T	[1.39]	[1.82]	f 0.15	0.52	0.76	0.45	0.81	[7.51]

*Incomplete.

Statement showing the precipitation in inches and hundredths—Continued.

FORT LARAMIE, WYO.—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1876	0.20	0.11	0.46	*0.06	0.73	0.12	0.02	0.02	[0.00]	0.03	T	f0.20	[2.55]
1877	0.10	T	0.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	0.09	0.07	0.36	0.47	0.14	*0.91	1.19	1.06	0.30	*0.10	0.55	0.32	5.56
1887	0.29	0.07	*0.08	0.57	1.50	0.41	1.99	1.34	0.04	0.16	0.05	0.04	6.54
1888	0.02	0.08	0.52	0.12	2.46	0.03	1.30	1.31	0.02	0.02	0.08	0.44	6.40
1889	0.15	0.50	0.03	1.13	2.35	1.62	2.00	0.90	0.00	1.48	0.70	0.00	10.86
1890	0.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.52	0.53	0.56	1.27	2.64	1.39	1.52	1.13	0.88	0.85	0.51	0.50	12.30

* Incomplete.

FORT ROBINSON, NEBR.

1883	.....	.....	.....	.....	.....	.....	s0.18	2.05	.....	1.22	0.50	1.97	.....
1884	0.40	0.59	1.80	1.40	2.85	1.53	2.25	1.00	0.50	0.34	0.15	1.15	13.96
1885	0.45	1.12	0.65	2.60	2.15	3.94	2.66	1.41	0.50	1.80	1.70	0.05	19.03
1886	0.67	0.57	1.74	0.47	1.24	1.91	0.74	0.90	0.30	0.31	1.12	1.11	11.08
1887	1.11	0.50	0.63	2.60	3.72	0.72	1.90	3.32	1.05	8.60	0.36	0.74	25.25
1888	0.00	0.79	1.83	1.23	0.30	1.38	2.45	2.88	T	T	0.46	0.07	17.54
1889	0.08	0.32	T	1.39	2.55	2.71	2.67	2.15	0.38	0.74	0.13	0.78	13.90
1890	0.29	0.66	1.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.44	0.64	1.17	1.63	3.15	2.03	1.04	1.96	0.40	1.86	0.63	0.84	16.75

CAMP SHERIDAN, NEBR.

1876	.....	.....	.....	.....	.....	.....	.....	0.98	1.60	1.22	1.95	0.20	.....
1877	0.15	T	0.65	0.33	3.59	2.09	0.41	0.66	1.32	1.98	0.91	0.37	12.46
1878	0.21	0.31	3.69	1.80	6.53	5.05	6.75	2.50	0.46	0.72	0.42	0.48	28.92
1879	0.62	0.68	0.42	3.39	2.24	3.70	2.78	0.79	0.30	0.92	0.05	0.43	16.32
1880	0.22	0.42	0.50	1.02	1.06	3.14	1.95	2.66	0.84	0.50	0.30	1.00	13.61
1881	0.42	1.14	1.78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.32	0.51	1.41	1.64	3.36	3.50	2.97	1.52	0.00	1.07	0.73	0.50	18.43

HAY SPRINGS, NEBR.

1886	0.55	0.93	1.51	1.83	1.80	2.66	3.09	2.32	0.37	0.37	2.19	0.60	18.22
1887	0.81	0.41	1.22	2.30	5.87	3.60	1.48	3.14	0.78	1.45	0 23	1.61	22.90
1888	0.44	1.22	0.94	0.88	7.25	3.26	3.09	3.38	0.00	0.15	0.33	0.32	21.26
1889	0.46	0.94	0.82	2.27	3.66	3.41	1.86	3.55	0.64	0.60	0.28	0.67	19.16
1890	0.61	0.40	1.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.57	0.78	1.10	1.82	4.64	3.23	2.38	3.10	0.45	0.64	0.76	0.80	20.27

VALENTINE, NEBR.

1885	.....	.....	.....	.....	.....	.....	.....	.....	2.23	0.93	0.31	0.15	.....
1886	0.19	0.35	0.53	1.39	3.26	2.25	2.04	1.86	1.18	0.27	0.56	0.10	13.98
1887	0.29	0.41	0.23	2.52	2.60	3.89	2.53	2.94	1.36	0.57	0.13	0.53	18.00
1888	0.04	0.75	1.44	1.05	9.35	2.30	4.83	1.77	0.66	[0.70]	0.19	0.26	[23.34]
1889	1.27	0.15	1.05	3.87	2.05	2.99	2.60	0.34	1.71	2.12	0.56	0.84	19.55
1890	0.69	1.49	2.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.50	0.63	1.11	2.21	4.32	2.86	3.00	1.73	1.43	0.92	0.35	0.38	19.44

FORT NIOBRARA, NEBR.

1880	.....	.....	.....	.....	.....	.....	.....	1.82	0.11	0.86	0.68	0.86	.....
1881	0.60	0.56	1.84	.....	2.80	.....	.....	1.00	2.56	.....	.....	.....	.....
1882	0.68	[0.10]	0.08	2.68	1.86	3.60	2.60	0.30	1.14	1.90	T	1.60	[16.54]
1883	[0.80]	0.40	0.24	2.54	6.42	4.46	2.34	0.82	2.16	2.90	0.04	1.02	[24.14]
1884	0.28	0.34	1.98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	1.08	0.84	1.72	2.21	1.14	2.04	1.32	1.82	1.28	0.26	0.60	0.80	15.11
1887	0.10	1.60	0.22	4.08	1.82	2.14	1.66	2.46	1.16	0.56	0.32	0.20	16.32
1888	T	0.30	0.66	0.96	10.62	1.96	2.68	2.66	[0 50]	0.74	0.10	0.16	[21.34]
1889	0.30	0.18	0.64	3.44	2.92	2.92	3.27	0.41	1.39	1.37	0.66	0.72	18.16
1890	0.38	0.57	1.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.47	0.54	0.97	2.65	3.94	2.85	2.31	1.41	1.29	1.23	0.33	0.77	18.76

Statement showing the precipitation in inches and hundredths—Continued.

KENNEDY, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1889	[0.80]	0.62	2.00	5.94	3.38	3.06	2.02	1.28	1.28	1.70	1.10	0.51	[23.60]
1890	0.60	0.31	0.82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.70	0.47	1.41	5.94	3.38	3.06	2.02	1.28	1.28	1.70	1.10	0.51	22.85

BINGHAM, NEBR.

1889	.....	.....	.....	.....	.....	3.71	1.29	2.05	1.75	.....	0.17	0.17	.....
1890	0.50	0.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.50	0.10	.....	.....	.....	3.71	1.29	2.05	1.75	.....	0.17	0.17	.....

RICHMOND, NEBR.

1875	.....	.....	.....	1.50	3.82	1.47	8.78	7.06	2.34	0.94	0.75	0.10	.....
1876	0.30	1.62	1.33	2.75	3.50	3.12	1.31	8.12	1.28	.....	.....	.....	.....
Means	0.36	1.62	1.33	2.16	3.66	2.30	5.04	7.59	1.81	0.94	0.75	0.19	27.85

YANKTON, S. DAK.

1873	.....	.....	.....	2.00	6.98	4.59	1.50	2.80	0.93	1.49	0.03	0.52	.....
1874	0.57	0.65	0.70	0.24	2.50	6.05	3.84	4.05	1.84	1.64	0.56	0.51	23.93
1875	1.07	1.51	1.70	5.26	2.04	9.21	5.53	4.95	5.33	0.14	0.12	0.20	37.15
1876	0.32	1.10	2.18	0.97	3.15	3.18	5.40	5.14	5.26	0.68	0.80	0.37	28.84
1877	0.74	0.33	1.37	5.99	4.45	5.07	1.31	1.16	1.23	3.66	0.54	2.46	28.31
1878	0.20	0.27	0.93	5.14	4.04	7.83	6.96	0.44	1.36	0.18	0.30	0.99	28.73
1879	0.23	0.30	1.05	0.37	2.35	5.34	7.51	1.68	2.84	0.33	0.23	0.41	22.73
1880	0.62	0.16	0.95	0.40	4.04	4.99	3.32	3.04	0.98	1.98	0.21	0.99	21.68
1881	1.23	2.70	1.74	2.40	9.88	3.51	4.54	1.77	8.61	3.47	0.00	0.11	40.95
1882	0.04	0.00	0.06	2.93	5.25	4.87	1.05	0.64	0.07	3.93	0.31	0.79	20.63
1883	1.06	0.73	1.42	5.71	8.76	4.40	3.38	2.85	3.98	1.98	0.08	0.91	35.21
1884	0.25	1.80	0.92	5.73	1.43	1.72	4.63	2.61	0.28	1.97	0.02	0.80	22.16
1885	0.53	0.43	0.25	5.08	4.01	2.90	1.97	6.21	4.80	1.24	2.69	0.07	30.18
1886	0.43	0.57	3.38	5.12	3.39	3.07	0.69	5.40	3.45	0.31	2.44	0.90	20.15
1887	0.43	0.64	0.26	2.45	1.28	2.48	5.00	4.46	6.70	0.74	0.57	2.07	27.08
1888	0.37	0.41	1.24	2.16	8.56	1.03	1.91	3.29	0.50	0.55	0.19	0.68	20.89
1889	0.06	0.20	0.27	1.46	1.72	2.68	4.54	2.68	2.31	0.48	1.04	1.37	19.71
1890	0.56	0.46	1.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.56	0.73	1.16	3.15	4.35	4.32	3.76	3.13	2.97	1.47	0.65	0.83	27.08

SANTEE AGENCY, NEBR.

1871	.....	.....	.....	.....	2.50	4.05	2.02	1.35	0.70	0.25	2.65	0.67	.....
1872	0.00	0.35	1.30	1.35	2.85	3.15	1.95	2.25	1.15	1.55	0.70	[0.30]	[16.90]
1873	1.55	0.70	0.30	5.57	5.50	3.65	2.35	2.50	0.50	1.00	[0.00]	1.35	[24.97]
1874	0.60	1.10	0.50	0.35	1.80	6.35	4.20	1.45	1.50	1.45	0.60	0.40	[20.30]
1875	1.45	1.20	0.80	2.77	6.85	7.00	2.00	2.60	2.70	.....	.....	.....	.....
Means	0.90	0.84	0.72	2.51	3.90	4.84	2.50	2.03	1.31	1.06	0.99	0.68	22.28

CREIGHTON, NEBR.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.60	1.30	.....
1889	1.75	0.15	0.22	2.62	2.12	3.53	7.88	0.35	3.70	0.19	0.71	0.33	23.55
1890	0.80	0.05	0.82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.28	0.10	0.52	2.62	2.12	3.53	7.88	0.35	3.70	0.19	0.66	0.82	23.77

NELIGH, NEBR.

1883	.....	.....	.....	.....	.....	.....	.....	1.04	.....	.....	0.00	0.81	.....
1884	.....	.....	.....	.....	.....	0.47	5.03	.....	.....	1.27	.....	.....	.....
1885	.....	.....	.....	2.47	5.05	.....	.....	4.22	2.49	0.85	1.45	0.51	.....
1886	0.44	0.11	1.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.44	0.11	1.90	2.47	5.05	0.47	5.03	2.63	2.49	1.06	0.72	0.66	23.03

Statement showing the precipitation in inches and hundredths—Continued.

OAKDALE, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1888												0.55	
1889	0.88	0.13	0.20	1.68	1.57	4.90	4.03	0.39	1.47	[0.40	0.78	0.00	[17.03]
1890	0.85		1.38										
Means	0.86	0.13	0.79	1.68	1.57	4.90	4.03	0.39	1.47	0.40	0.78	.58	17.58

SIOUX CITY, IOWA.

1857									2.12		1.47		
1858		0.56	0.89	4.36	3.30	4.72	7.42	6.07	3.00	2.21	0.89	0.32	
1860	0.00												
1861	1.52	[0.41]	1.47	2.06	4.29	3.00	3.19	1.40	4.87	1.05	2.28	0.15	[25.69]
1862	0.15	0.42		2.48	1.89	1.54	1.22	3.05	3.59	1.08		0.63	
1863	1.00	0.30	0.58									1.72	
1864	0.93		1.15	2.64	0.60								
1875										0.16			
1876	[0.70]	0.46	2.01	0.85	2.42	3.12	8.61	7.65	4.77	1.16	0.97	0.72	[33.44]
1877	0.78	0.60	1.53	4.75	3.88	6.79	1.23	1.52	1.57	2.04	2.05	1.66	28.58
1878	0.41	0.20	2.21	3.46			5.78	1.05	2.88				
1879				3.70	8.70	6.15	8.25	3.50					
1881									11.15	5.80	1.60	1.10	
1887												1.24	
1888	1.40	0.33	1.56	4.96	5.53	1.21	4.65	6.38	0.56				
1889				1.72	1.40	4.45	3.31	1.19	1.71	0.21	1.99	1.14	
1890	1.14	0.40	2.12										
Means	0.80	0.41	1.50	3.10	3.56	3.87	4.85	3.53	3.68	1.71	1.61	0.96	29.58

DAKOTA CITY, NEBR.

1868	0.70	0.50	0.65								1.38	1.17	
1869	0.55												
Means	0.62	0.50	0.65								1.38	1.17	

OMAHA AGENCY, NEBR.

1868	0.80	0.60	1.32	1.02	1.50	2.00	2.00	[2.54]	[3.11]	1.10	1.30	1.50	[18.79]
1869	0.13	1.65	0.30	3.56	2.00	4.75	[3.21]	4.06	7.83	1.10	0.82	2.56	[31.97]
1870	0.25	[0.82]	1.95	[3.25]	7.68	0.72	2.34	1.53	5.00	0.77	0.10	0.53	[24.94]
1871	0.23	1.00	[1.02]	3.08	3.07	0.59	2.90	1.56	0.90	0.50	4.55	2.15	[21.46]
1872	[0.40]	0.15	1.17	3.15	4.07	3.42	6.74	2.45	1.40	3.75	0.25	[1.68]	[28.63]
1873	0.60	0.70	0.36	3.45	7.70	6.30	2.07	3.10	0.40	0.34	[1.40]	[1.68]	[26.10]
Means	0.40	0.82	1.02	2.92	4.34	2.95	3.21	2.54	3.11	1.26	1.40	1.68	25.65

SMITHLAND, IOWA.

1878	[0.60]	[0.15]	[2.98]	5.35	3.65	3.80	5.80	1.45	2.05	2.65	0.50	0.23	[29.21]
1879	0.12	0.30	0.65	0.64	5.85	5.81	0.33	1.35	0.80	1.45	0.85	1.20	19.35
1880	0.60	0.10	0.90	1.18	1.85	4.60	2.79	2.59	1.22	1.40	0.05	0.35	17.63
1881	0.42	2.80	1.20	2.78	6.75	6.45	*0.25	1.98	5.55	3.32	0.83	0.30	32.63
1882	0.27	0.65	0.75	2.31	2.25	4.65	3.35	0.31	0.05	1.43	1.23	0.76	18.01
1883	1.00	0.35	0.28	*1.02									
1884					1.60	2.15	7.75	4.15	4.26	2.15	0.00	0.70	
1885	0.60	0.65	0.30	2.68	4.80	5.31	3.31	4.68	2.21	2.59	0.50	0.50	[illegible]
1886	1.00	0.20	0.97	2.39	1.52	2.29	0.23	4.81	1.56	0.76	1.40	0.70	17.83
1887	0.35	0.20	0.25	0.45	3.23	3.83	2.79	3.59	8.88	0.05	0.30	0.[illegible]	24.88
1888	0.57	0.25	1.60	2.45	11.20	2.60	3.00	5.12	0.35	0.45	T	0.45	28.[illegible]4
Means	0.55	0.56	0.99	2.12	4.27	4.15	2.96	3.00	2.69	1.62	0.57	0.62	24.10

*Incomplete.

SAC CITY, IOWA.

1870					10.50				4.60	0.30		0.30	
1871	3.10	5.00	0.80	5.80	3.10	3.80	4.40	5.10	2.50	3.05	4.10	4.40	45.15
1872				5.00	7.80	10.40	6.80	5.70					
1875											0.02		
1876	0.71	0.74	1.81	[1.68]	[2.27]	2.20	5.00	0.30	7.80	0.76	0.91	[illegible]15	[illegible]
1877	0.95	0.20	1.07	3.35	3.40	5.75	4.40	0[illegible]	5.20	1.90	1[illegible]	1.4[illegible]	[illegible]
1878	0.78	0.10	3.75	5.65	4.62	4.48	4.50	2[illegible]	1.89	0.77	0[illegible]	0.[illegible]	[illegible]
1879	0.09	0.53	1.72	0.52	3.69	6.96	1.00	1.09	0.57	1.89	2[illegible]	1.[illegible]	21.69

Statement showing the precipitation in inches and hundredths—Continued.

SAC CITY, IOWA—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1880	0.95	0.29	0.38	2.18	2.53	5.11	2.14	3.45	2.35	1.77	0.77	0.91	22.83
1881	6.89	2.37	1.50	2.78	0.90	6.52	5.17	5.19	7.29	5.88	1.36	0.64	46.55
1882	0.78	0.94	0.91	3.30	3.70	5.39	4.45	0.23	0.05	3.34	1.55	1.18	25.82
1884	0.84	2.23	4.37	4.44	4.10	4.08	6.55	4.10	6.02	2.90	0.50	2.41	42.54
1885	0.76	1.20	0.65	3.40	5.55	8.80	6.45	3.90	0.65	2.65	1.00	1.50	36.51
1886	3.60	0.40	1.90	2.00	1.30	2.40	0.60	1.85	3.33	0.00	2.35	1.35	21.68
1887	0.75	1.30	0.15	1.20	1.50	3.30	3.15	2.15	10.20	1.75	0.70	2.40	28.55
1888	1.45	0.92	3.35	5.49	6.05	2.81	2.56	4.81	1.36	1.20	0.00	0.33	30.33
1889	2.15	0.20	0.30	0.25	2.37	7.73	8.17	1.20	1.65	0.45	2.40	1.30	28.17
1890	1.60	0.65	1.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.29	1.14	1.59	3.14	4.34	5.32	4.36	3.47	3.70	1.95	1.33	1.34	32.97

VAIL, IOWA.

1875	.....	.....	.....	1.70	3.15	8.25	.....	.....	.....	.....	.....	.....	.....
1870	.....	.....	.....	.....	.....	.....	.....	.....	5.80	1.60	2.55	.....	.....
1877	4.00	0.20	0.35	3.51	5.52	3.00	1.83	2.00	2.70	2.42	0.70	1.12	27.35
1878	0.45	[0.30]	2.17	3.15	3.95	4.43	5.24	0.47	1.45	0.45	0.10	0.19	[22.35]
1879	2.00	0.15	1.22	0.80	2.32	3.50	0.22	1.48	1.42	1.20	[2.19]	0.90	[17.40]
1880	0.69	0.20	0.93	0.32	2.45	2.36	2.29	3.67	6.38	1.55	0.20	0.25	21.35
1881	0.80	2.20	1.00	1.87	8.52	7.80	.....	.....	.....	.....	.....	.....	.....
Means	1.59	0.61	1.13	1.89	4.32	4.89	2.40	1.00	3.55	1.44	1.10	0.62	25.50

CHEYENNE, WYO.

1870	0.25	0.93	1.15	2.99	0.76	1.25	0.30	0.07	2.14	0.44	0.41	0.18	10.87
1871	0.28	0.07	0.11	0.95	2.14	2.25	1.27	0.36	0.74	0.24	0.60	0.10	9.23
1872	0.02	0.27	0.38	1.61	1.99	1.84	3.90	2.05	1.03	0.33	0.03	0.03	13.48
1873	0.03	0.02	0.38	0.92	2.41	1.77	1.10	2.07	0.30	0.70	0.17	0.08	10.01
1874	0.11	0.11	0.74	0.61	1.50	1.34	1.87	0.44	0.93	1.86	0.04	0.16	9.71
1875	0.42	0.00	0.23	0.50	1.20	0.20	4.47	2.12	1.34	0.60	0.84	0.03	12.10
1876	0.02	0.06	0.54	0.23	2.50	0.10	0.79	0.20	0.00	0.00	0.32	0.21	5.03
1877	0.20	0.14	0.98	1.11	2.24	1.27	0.43	0.83	2.02	1.99	0.17	0.33	11.71
1878	0.08	0.13	1.10	0.10	4.46	1.71	1.43	2.50	0.75	0.04	0.00	0.10	12.64
1879	0.32	0.20	0.44	1.66	1.30	0.07	1.04	1.26	0.00	0.65	0.23	0.17	7.34
1880	0.20	0.00	0.06	0.17	0.44	1.06	1.88	2.23	1.05	0.70	0.36	0.08	8.38
1881	0.30	0.22	0.32	2.32	1.14	1.22	1.40	1.97	1.75	0.88	0.29	0.01	11.88
1882	0.14	0.05	0.06	0.46	2.73	1.85	2.30	0.23	0.35	0.31	0.06	0.10	8.64
1883	0.88	0.25	0.85	2.76	3.68	3.67	1.45	2.18	0.90	1.66	0.16	0.80	19.24
1884	0.76	0.26	1.59	1.33	4.83	1.50	0.60	2.07	1.25	0.50	0.18	0.67	15.54
1885	0.16	1.31	0.51	3.76	1.33	2.75	1.91	2.14	0.69	0.28	0.11	0.16	15.11
1886	0.52	0.84	1.36	1.14	0.32	1.52	0.71	1.61	1.05	0.37	[0.60]	[0.32]	[10.36]
1887	[0.67]	[0.15]	0.14	2.20	0.94	0.80	2.71	1.00	1.25	0.49	0.29	0.35	[11.89]
1888	0.29	0.72	2.04	0.94	3.74	0.56	2.31	1.15	1.66	0.30	0.59	0.21	14.51
1889	0.23	0.62	0.26	1.24	2.85	3.67	1.23	0.71	0.54	2.58	0.56	0.16	14.65
1890	0.16	0.59	0.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.29	0.34	0.64	1.35	2.12	1.52	1.66	1.41	0.99	0.75	0.30	0.21	11.68

GERING, NEBR.

1889	.....	.....	.....	.....	.....	.....	2.14	1.27	0.21	1.80	0.26	0.45	.....
1890	.....	0.43	0.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	.....	0.43	0.37	.....	.....	.....	2.14	1.27	0.21	1.80	0.26	0.45	.....

KIMBALL, NEBR.

1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	*0.20	0.30	0.50	.....
1888	0.25	[0.60]	[0.50]	0.47	3.72	2.54	2.79	1.39	0.02	0.10	T	T	[12.38]
1889	.....	.....	.....	.....	.....	1.16	1.62	1.97	0.00	0.84	T	.....	.....
1890	.....	T	T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.25	0.30	0.25	0.47	3.72	1.85	2.20	1.68	0.01	0.38	0.10	0.25	11.46

* Incomplete record.

SIDNEY BARRACKS, NEBR.

1872	.....	.....	.....	.....	.....	1.38	1.84	2.18	0.34	0.18	0.04	0.02	.....
1873	0.58	T	T	2.39	2.50	0.60	1.18	1.82	1.43	1.08	0.48	0.26	12.38
1874	0.28	0.46	1.54	0.46	4.98	1.52	1.20	1.63	0.50	1.96	T	0.24	14.77
1875	0.52	0.34	0.20	2.56	2.75	0.56	5.92	3.79	1.70	0.60	2.16	0.64	21.74
1876	T	T	1.20	0.40	2.87	0.68	0.64	1.56	1.96	T	T	0.24	9.55

Statement showing the precipitation in inches and hundredths—Continued.

SIDNEY BARRACKS, NEBR.—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1877	1.64	0.10	0.60	2.10	3.50	1.56	0.25	0.88	1.42	2.50	T	0.10	14.65
1878	T	0.06	2.30	0.16	1.56	1.12	0.55	0.70	1.16	0.24	0.70	0.36	8.91
1879	1.46	1.48	1.10	3.21	4.70	1.68	8.78	3.29	0.18	0.80	0.18	0.06	26.92
1880	0.24	0.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	0.13	0.13	0.50	0.64	1.52	0.52	1.64	1.01	0.60	0.40	0.16	0.33	7.70
1887	0.30	2.00	0.88	0.41	1.05	1.21	3.53	3.74	4.04	T	0.15	0.16	17.47
1888	0.04	0.64	0.30	0.54	4.42	2.34	0.78	1.12	0.00	0.72	0.01	0.00	10.94
1889	0.24	0.78	0.80	3.14	1.20	1.40	5.75	1.20	0.00	1.00	0.00	1.15	14.66
1890	0.34	0.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.44	0.50	0.86	1.45	2.83	1.21	2.50	1.91	1.11	0.79	0.33	0.30	14.23

NORTH PLATTE, NEBR.

1874	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.46	0.57	0.34	.....
1875	0.24	0.26	0.40	6.21	1.69	1.62	2.12	0.66	1.40	0.14	0.52	0.09	15.35
1876	0.09	0.13	0.49	0.51	2.97	0.49	1.16	2.46	1.47	1.07	0.49	0.51	11.84
1877	1.38	0.37	0.19	0.37	3.22	2.99	2.04	5.03	4.49	1.23	0.30	3.86	25.47
1878	0.00	0.18	1.40	1.16	3.24	5.85	3.58	1.52	0.91	0.13	0.46	0.20	18.62
1879	2.33	0.43	0.11	1.92	2.25	3.31	8.47	0.16	0.40	0.21	0.10	0.37	20.06
1880	0.03	0.03	0.18	0.16	2.28	3.12	2.87	3.96	1.53	2.72	0.23	0.37	17.48
1881	0.16	0.76	1.26	0.87	4.84	6.12	3.09	0.75	2.36	2.22	0.37	0.13	22.93
1882	0.46	0.13	0.04	1.94	3.98	4.84	2.65	1.68	0.28	1.23	0.01	0.71	17.95
1883	1.20	1.38	0.47	3.11	4.07	7.49	1.38	4.51	1.08	3.47	0.42	1.43	30.01
1884	0.10	0.23	1.82	2.14	2.40	1.39	2.19	2.13	0.08	0.74	0.04	0.27	15.53
1885	0.12	0.16	0.37	1.59	3.31	3.79	3.12	4.87	0.86	1.18	1.71	0.95	22.03
1886	0.09	0.17	0.63	2.09	3.67	1.14	0.68	1.99	1.22	0.59	0.43	0.40	13.10
1887	0.15	0.40	0.22	3.41	0.81	3.20	3.05	4.61	5.10	0.15	0.19	0.30	21.60
1888	0.09	0.42	1.44	2.36	4.93	2.76	2.61	0.65	0.58	1.12	0.08	0.42	17.46
1889	0.07	0.07	0.62	2.65	2.71	1.95	6.01	2.06	2.57	0.31	0.20	0.54	20.66
1890	0.35	0.38	0.27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.48	0.35	0.62	2.03	3.09	3.34	3.00	2.47	1.62	1.12	0.38	0.68	19.18

FORT McPHERSON, NEBR.

1866	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.50	.....
1867	0.45	.....	.....	.....	.....	.....	.....	.....	.....	T	T	T	.....
1868	0.03	1.20	T	T	10.00	9.75	T	2.42	0.00	T	0.02	0.50	23.92
1869	T	0.44	0.28	T	0.78	1.15	0.98	1.73	3.34	0.30	T	1.08	10.08
1870	0.20	0.30	0.66	3.16	1.54	1.98	1.62	3.12	5.48	0.24	0.00	0.32	18.62
1871	0.06	0.32	0.42	2.20	3.84	2.46	4.16	2.01	1.44	0.01	2.84	0.28	20.04
1872	0.02	0.53	0.62	1.88	2.94	3.46	3.09	1.66	1.16	0.36	0.06	0.29	16.07
1873	0.02	0.08	0.07	2.90	8.41	3.24	2.42	1.19	1.16	0.30	0.10	0.31	20.20
1874	0.10	0.45	0.31	0.72	2.80	3.34	1.25	1.95	3.41	1.36	0.00	1.00	16.69
1875	1.00	1.50	2.25	4.72	4.40	0.64	3.24	0.48	1.44	0.28	0.54	0.16	20.65
1876	0.08	0.10	0.00	0.00	2.36	0.00	1.10	3.72	0.90	1.00	[0.47]	0.18	[9.91]
1877	1.28	0.16	0.72	2.54	3.80	1.50	0.74	1.44	1.82	1.98	0.22	3.20	19.38
1878	0.04	0.16	2.06	0.34	2.70	8.56	4.22	2.28	1.06	0.14	0.42	0.50	22.48
1879	0.50	0.26	0.16	1.54	1.20	4.04	8.14	0.40	0.72	0.34	0.10	0.26	17.66
1880	0.10	T	0.40	*0.08	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.28	0.42	0.61	1.54	3.73	3.34	2.58	1.87	1.83	0.48	0.37	0.61	17.66

* Incomplete record.

SARGENT, NEBR.

1883	.....	0.40	0.90	2.75	.....	6.65	2.98	2.95	.....	.....	.....	.....	.....
1884	0.33	.....	.....	2.55	3.12	1.25	4.20	.....	0.09	0.09	0.10	.....	.....
1885	.....	.....	.....	2.92	6.23	.....	3.01	3.04	2.15	1.00	1.50	.....	.....
1886	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	0.25	0.29	.....	.....	1.51	2.09	.....	5.17	.....	0.01	0.60	.....	.....
1888	.....	.....	.....	2.31	8.30	3.02	5.63	.....	1.62	0.83	0.00	1.35	.....
1889	1.00	0.17	0.78	1.50	1.03	.....	4.76	1.28	.....	.....	0.72	.....	.....
1890	.....	.....	0.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.53	0.29	0.81	2.41	4.04	3.25	4.12	3.11	1.29	0.48	0.58	1.35	22.26

ANSLEY, NEBR.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T	0.59	.....
1889	0.30	T	2.20	0.50	1.30	2.93	8.90	1.23	0.40	0.60	0.80	T	19.16
1890	0.40	0.20	1.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.35	0.10	1.70	0.50	1.30	2.93	8.90	1.23	0.40	0.60	0.40	0.30	18.71

Statement showing the precipitation in inches and hundredths—Continued.

FORT HARTSUFF, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1875	.....	.....	.....	.....	.....	.....	.....	.....	0.68	0.31	1.01	T	.....
1876	0.04	0.34	0.42	0.94	2.26	1.24	3.66	2.36	5.74	1.54	0.04	0.22	18.80
1877	0.22	0.24	0.20	2.16	4.08	4.32	1.46	0.66	1.80	3.82	T	2.22	21.18
1878	T	T	0.26	1.86	4.44	3.16	5.52	0.64	1.62	T	0.40	T	17.90
1879	0.50	0.60	0.30	0.75	3.37	3.44	5.44	0.65	2.49	0.66	0.02	0.44	18.66
1880	0.12	0.02	0.56	0.48	1.00	8.52	5.64	2.96	1.60	1.94	0.20	0.54	23.58
1881	0.40	*0.56	1.88	1.70	8.42	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.21	0.29	0.60	1.32	3.93	4.16	4.34	1.45	2.32	1.38	0.28	0.57	20.83

* Incomplete record.

NORTH LOUP, NEBR.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.40?	.....	.....
1889	0.93	0.11	0.65	1.88	0.98	3.84	10.37	1.58	1.60	0.45	0.69	0.35	23.43
1890	1.25	0.05	0.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.09	0.08	0.68	1.88	0.08	3.84	10.37	1.58	1.60	0.45	0.54	0.35	23.44

PALMER, NEBR.

1888	1.00	0.80	2.00	4.00	3.50	2.00	2.20	3.25	0.00	1.00	0.00	0.60	20.35
1889	1.70	0.10	0.75	2.50	1.00	3.65	9.75	2.30	[1.50]	0.50	1.60	0.20	[25.55]
1890	2.00	.....	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.57	0.45	1.05	3.25	2.25	2.82	5.08	2.78	0.75	0.75	0.80	0.40	22.85

RAVENNA, NEBR.

1886	.....	.....	.....	.....	.....	.....	.....	2.76	3.05	0.00	1.40	0 03	.....
1887	[0.15]	1.15	0.11	4.01	2.71	5.83	4.18	4.55	2.35	0.13	0.70	[0.70]	[26.45]
1888	[0.10]	0.79	3.46	3.53	4.55	2.01	5.28	4.22	0.48	1.31	0.00	0.60	[26.42]
1889	1.02	0.03	1.45	2.03	1.43	4.02	8.75	1.70	[1.50]	1.04	0.95	0.25	[24.26]
1890	1.83	.....	0.83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.78	0.66	1.46	3.19	2.90	3.95	6.07	3.33	1.84	0.62	0.78	0.62	26.20

BEAVER CREEK, NEBR.

1882	0.54	[0.50]	0.00	[3.00]	6.87	3.37	[3.00]	0.99	1.28	2.49	0.06	0.37	[22.47]
1883	0.39	0.74	0.41	2.60	4.29	4.44	[3.00]	[3.00]	0.70	3.98	0.04	0.50	[24.09]
1884	0.39	[0.70]	1.31	2.76	3.83	[1.50]	6.34	3.55	0.59	1.38	0.13	1.09	[23.57]
1885	0.36	0.87	0.29	3.41	2.97	2.25	4.20	5.86	3.75	0.97	1.48	1.07	27.48
1886	.....	.....	3.16	2.84	3.61	1.57	3.91	.....	.....	.....	.....	.....	.....
Means	0.42	0.70	1.03	2.92	4.31	2.63	4.09	3.35	1.58	2.20	0.43	0.76	24.42

CENTRAL CITY, NEBR.

1877	.....	.....	.....	.....	.....	.....	.....	0.52	0.19	.....	.....	.....	.....
1878	.....	.....	.....	1.70	m 1.80	o 2.15	5.34	0.00	.....	.....	.....	.....	.....
1879	1.00	2.50	g 1.00	2.25	2.90	w 3.50	5.95	2.50	2.54	0.00	[0.85]	[0.85]	[25.84]
1880	.....	.....	.....	.....	1.50	.....	.....	.....	.....	.....	.....	.....	.....
1883	1.00	0.60	0.00	1.30	4.11	5.30	1.85	3.00	0.45	4.45	0.00	0.50	22.56
1884	0.50	0.25	3.30	2.00	2.70	1.75	9.00	1.50	4.78	2.50	0.00	[0.40]	[28.68]
1885	[0.70]	1.00	0.20	5.60	3.40	3.70	3.60	3.70	2.10	2.10	1.00	[1.50]	[28.60]
1886	[1.90]	[0.97]	4.00	2.40	7.20	1.70	2.70	2.30	2.75	0.50	1.00	1.10	[28.45]
Means	1.02	1.05	1.70	2.54	3.37	3.02	4.74	1.93	2.14	1.91	0.50	0.88	24.80

NORFOLK, NEBR.

1873	.....	0.34	0.45	1.15	7.95	.....	.....	3.60	0.35	.....	.....	.....	.....
1874	.....	.....	1.05	0.72	3.10	5.10	.....	0.38	3.50	0.75	0.28	0.55	.....
1875	0.58	4.62	0.53	3.20	2.75	4.90	6.18	16.10	2.15	0.29	0.60	[0.50]	[42.40]
1876	0.25	0.55	1.65	1.76	2.15	3.71	6.42	3.90	4.16	[1.00]	0.65	0.10	[26.30]
1877	0.58	0.70	1.15	3.90	8.97	6.02	5.23	0.28	2.31	2.20	2.05	[2 00]	[35.39]
1878	0.12	0.10	0.45	1.77	5.34	6.38	2.35	2.53	3.36	0.13	0.22	0.34	23.09
1879	.....	T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883	.....	.....	.....	.....	.....	.....	.....	.....	11.15	.....	.....	.....	.....
1884	.....	1.17	1.94	.....	.....	0.77	5.25	.....	.....	.....	.....	.....	.....
Means	0.38	1.07	1.03	2.08	5.04	4.48	5.09	4.46	3.85	0.87	0.76	0.70	29.81

Statement showing the precipitation in inches and hundredths—Continued.

MADISON, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1884												0.60	
1885	0.35	1.15	0.50	3.75	6.81	0.88	1.31	6.25	0.81	0.75	0.75	0.37	23.77
Means	0.35	1.15	0.59	3.75	6.81	0.88	1.31	6.25	0.81	0.75	0.75	0.48	23.88

WEST HILL, NEBR.

1884												1.85	
1885	0.31	0.45	0.51	4.65	1.13	1.63	1.08	[4.00]	2.46	[2.00]	1.55	[0.90]	[20.67]
1886	1.13	0.65	2.45	1.91	[4.50]	3.82	[2.00]	3.29	3.18	1.52	2.06	0.66	[27.37]
1887	0.32	0.37	0.24	2.00	1.45	[5.50]	3.36	2.95	12.80	[0.65]	0.50	0.30	[30.53]
1888							4.68	3.55	0.10	0.85	0.10	0.21	
1889	0.75	0.07	0.70	2.10	1.65	1.49	5.32	1.31	[1.50]	0.46	1.50	0.82	[17.67]
1890	0.80												
Means	0.66	0.38	0.98	2.66	2.18	3.11	3.20	3.02	4.01	1.10	1.14	0.70	23.32

GENOA, NEBR.

1875												0.00	
1876	0.50	0.75	3.55	2.20	3.20	3.50	7.45	1.70	5.90	1.80	0.80	0.55	31.90
1877	1.65	0.45	0.90	4.30	7.80	5.72	0.90	1.55	2.70	2.10	1.40	1.35	30.82
1878	0.55	0.55	1.55	1.20	5.42	4.35	5.10	0.70	2.80	0.30	0.45	1.10	24.07
1879	0.20	0.70	0.50	1.65	2.77	3.25	3.10	1.69	1.12	0.25	0.85	0.85	16.93
1880	0.60	0.50	1.20	1.55	0.83	7.35	5.10	4.60	1.80	1.75	0.45	0.70	26.43
1881	0.87	1.15	0.95	3.60	6.85	3.90	4.00	0.45	5.30	2.45	1.00	0.50	31.02
1882	0.45	0.85	T.	3.40	6.45	4.10	2.30	0.50	1.90	1.60	0.35	0.80	22.70
1883	1.15	0.65	0.62	1.30	5.40	5.03	4.91	1.75	1.75	3.25	T.	1.75	27.56
1884	0.70	1.20	2.75	3.05	4.20	2.47	7.30	3.85	3.02	2.80	0.05	1.65	33.04
1885	1.00	0.57	0.34	5.32	2.17	2.48	1.39	4.09	2.29	1.60	1.32	0.65	23.22
1886	2.13	0.39	0.82	2.21	4.85	3.24	3.22	3.20	3.43	1.43	1.43	1.22	27.57
1887	1.03	0.62	0.37	2.26	1.78	5.70	4.38	4.48	11.34	0.62	0.52	0.59	33.78
1888	0.23	0.64	2.25	3.58	5.06	4.49	7.14	4.49	0.29	0.68	0.20	0.25	29.30
1889	1.12	0.10	0.99	2.21	2.02	3.22	5.96	1.24	1.76	0.58	1.30	0.44	20.94
1890	1.31	0.44	1.16										
Means	0.87	0.65	1.20	2.70	4.20	4.21	4.45	2.45	3.35	1.58	0.68	0.85	27.19

DAVID CITY, NEBR.

1888									0.00			T.	
1889	[1.00]	0.20	0.15	2.48	2.43	2.65	4.98	1.70	1.60	1.50	1.30	0.75	[20.74]
1890	1.42		0.25										
Means	1.21	0.20	0.20	2.48	2.43	2.65	4.98	1.70	0.80	1.50	1.30	0.38	19.83

STROMSBURG, NEBR.

1883								2.41	2.04	3.98	0.00	0.54	
1884	1.21	0.57	1.29	4.09	3.86	1.93	5.88	3.00	[2.00]	2.64	0.11	0.46	[27.04]
1885	0.50	0.52	[0.30]	5.05	4.20	3.13	2.71	2.68	1.48	3.05	1.28	[1.00]	[25.90]
1886	1.86	0.67	4.13	3.23	5.52	8.37	1.95	3.42	3.18	0.33	1.14	1.12	34.92
1887	0.40	0.99	[0.35]	1.84	2.37	4.00	3.61	3.56					
Means	0.99	0.69	1.52	3.55	3.99	4.36	3.54	3.00	2.18	2.50	0.63	0.78	27.73

WEST POINT, NEBR.

1873				3.72	6.45	4.75							
1884				3.09	4.49	1.50	7.18			3.10		1.25	
1885	0.40	[1.00]	0.25	4.80	4.95	3.53	4.99	[4.00]	1.85	2.00	1.95	[1.00]	[30.72]
1886		1.05	2.50	2.40		2.30		3.60	3.25	0.70		0.50	
1887		0.70	0.45	0.90		4.15	5.95	3.50	4.95	0.30		1.25	
1888	1.87	[0.70]	[3.00]	3.23	3.55	2.75	2.92	8.95	0.20	1.20	0.30	0.60	[29.27]
1889	0.90	0.10	[0.50]	1.70	1.90	9.55	3.62	3.00	[1.50]	0.02	2.20	0.75	[25.74]
1890	1.18		2.00										
Means	1.09	0.71	1.48	2.83	4.27	4.08	4.93	4.61	2.35	1.22	1.48	0.89	29.94

Statement showing the precipitation in inches and hundredths—Continued.

CRAIG, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1889	.....	.....	.....	0.57	2.80	8.75	6.09	2.43	1.61	0.20	2.16	0.27	.....
1890	1.00	[0.40]	[1.50]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.00	[0.40]	[1.50]	0.57	2.80	8.75	6.09	2.43	1.61	0.20	2.16	0.27	[27.78]

FONTANELLE, NEBR.

1863	.....	.....	.....	.....	.....	.....	.....	.....	1.05	0.00	2.35	2.90	.....
1868	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.10	.....	.....	.....
1869	.....	.....	.....	.....	3.00	6.20	0.40	.....	11.40	.....	2.50	.....	.....
Means	.....	.....	.....	.....	3.00	6.20	9.40	.....	6.22	1.00	2.42	2.90	.....

DE SOTO, NEBR.

1867	.....	.....	.....	.....	8.20	5.48	3.50	1.39	1.82	1.09	.....	0.62	.....
1868	0.70	0.79	2.72	3.16	4.52	4.13	3.39	2.45	3.27	2.17	1.18	2.63	31.11
1869	0.60	1.48	0.28	2.21	4.19	8.58	8.60	6.25	9.74	0.80	1.13	3.63	47.49
1870	0.35	0.12	1.36	1.79	5.22	2.23	[2.30]	2.39	11.83	0.88	0.07	0.13	[28.67]
1871	0.54	1.37	0.82	4.84	3.51	4.29	8.33	3.07	3.41	1.90	3.82	1.18	37.08
1872	0.21	2.52	1.68	2.83	6.83	2.56	6.56	2.49	4.19	3.15	1.05	0.28	34.35
1873	1.21	0.19	0.45	2.69	3.43	4.01	3.09	1.14	0.93	1.40	0.06	[1.00]	[19.69]
1874	0.34	1.20	1.21	[1.12]	1.60	5.01	2.35	1.54	5.56	2.01	1.39	0.62	[23.95]
1875	0.48	1.31	2.80	2.50	4.31	5.70	5.62	8.45	4.39	0.86	0.90	2.01	39.33
1876	0.36	1.58	1.66	1.99	1.75	2.92	0.42	6.89	7.31	0.46	0.97	0.23	35.54
1877	1.27	0.60	0.73	5.04	8.06	4.10	1.78	3.94	1.74	3.55	0.80	1.09	34.30
1878	0.98	0.18	2.13	1.90	7.36	7.27	5.71	3.85	1.71	0.56	0.49	0.28	32.42
1879	0.15	0.85	1.43	[0.60]	[3.46]	5.17	2.10	1.76	1.01	4.22	1.56	1.20	[23.51]
1880	1.08	0.13	0.65	0.47	2.75	4.13	3.19	5.31	2.50	1.95	0.55	0.27	22.98
1881	0.90	2.59	1.35	3.58	8.09	3.99	6.35	1.03	2.58	5.14	0.99	1.06	37.65
1882	0.79	0.80	0.15	2.08	3.48	7.31	4.23	1.41	0.38	2.01	1.15	1.28	25.97
1883	1.21	0.99	0.90	1.53	5.16	7.13	2.69	4.66	2.64	3.05	0.52	0.87	31.35
1884	0.65	1.23	3.20	2.39	1.81	3.99	7.87	5.95	8.11	4.52	0.12	1.20	41.04
1885	0.65	0.73	0.28	3.52	3.70	4.26	3.55	4.07	1.57	2.01	1.34	1.73	27.41
1886	2.24	0.41	3.16	2.27	2.16	1.62	0.70	2.71	3.53	2.74	1.70	1.56	24.80
1887	0.33	0.81	0.52	1.01	1.39	4.94	1.17	3.36	2.80	1.38	1.01	1.27	19.94
1888	0.95	0.64	4.77	3.93	4.94	3.34	5.37	5.58	0.64	1.09	0.13	1.72	33.01
1889	1.18	0.23	0.53	1.22	2.94	6.37	3.49	1.42	0.85	0.74	1.38	0.07	20.42
1890	1.06	0.38	1.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.79	0.92	1.49	2.44	4.30	4.72	4.41	3.53	3.59	2.07	1.01	1.15	30.42

YUTAN, NEBR.

1884	.....	.....	.....	.....	.....	3.66	9.19	5.22	5.06	4.60	0.02	0.91	.....
1885	0.40	0.57	0.17	3.80	5.66	2.32	2.90	[4.00]	[2.50]	2.36	1.02	1.49	[27.19]
1886	2.30	0.65	2.71	.....	.....	.....	2.17	.....	.....	.....	.....	.....	.....
1887	0.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.02	0.61	1.44	3.80	5.66	2.09	4.75	4.61	3.78	3.48	0.52	1.20	33.86

CLEAR CREEK, NEBR.

1874	.....	.....	.....	.....	.....	*0.75	1.00	*2.25	6.62	1.51	1.31	0.32	.....
1875	0.40	0.98	1.80	1.87	2.18	3.88	7.00	3.81	2.50	0.95	0.00	1.05	26.42
1876	0.48	1.01	4.00	0.78	1.25	2.00	5.31	3.69	5.62	1.12	0.50	0.05	25.81
1877	0.60	0.63	1.10	5.00	10.88	5.50	1.31	3.18	1.56	3.50	0.68	2.13	36.07
1878	1.07	0.25	2.48	2.62	4.12	10.35	8.38	0.88	1.96	0.52	0.53	0.25	33.41
1879	0.16	0.68	1.51	2.01	4.40	6.00	2.98	1.43	0.50	2.47	2.12	0.84	25.10
1880	0.65	0.02	0.32	0.38	1.64	3.28	7.40	4.60	2.64	2.20	0.42	0.37	23.92
1881	0.65	2.93	2.58	[4.06]	6.78	4.10	6.58	0.42	2.38	5.46	1.50	1.58	[38.96]
1882	0.65	0.60	0.42	3.36	3.33	8.17	7.79	0.16	0.47	[3.00]	2.26	1.51	[31.72]
1883	1.10	1.33	0.62	1.83	8.22	8.50	3.97	5.16	3.64	4.09	0.24	0.54	39.24
1884	0.50	0.89	3.44	1.85	2.26	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.63	0.93	1.83	2.37	4.51	5.25	5.17	2.56	2.79	2.48	0.96	0.86	30.34

WESTON, NEBR.

1889	.....	.....	.....	1.78	3.00	5.36	8.80	11.58	1.84	0.62	0.42	0.00	.....
1890	0.77	[0.40]	1.68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.77	[0.40]	1.68	1.78	3.00	5.36	8.80	11.58	1.84	0.62	0.42	0.00	[36.25]

* Incomplete record.

Statement showing the precipitation in inches and hundredths—Continued.

FREMONT, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1882	.....	.....	.....	4.43	3.43	7.61	6.45	0.83	0.37	1.82	1.13	2.52	.....
1883	3.08	1.10	1.70	1.77	5.23	6.18	2.77	5.15	3.04	2.94	0.16	0.86	34.16
1884	1.60	1.19	2.76	3.19	1.40	3.29	9.03	0.73	5.81	2.72	0.21	2.01	30.94
1885	0.50	0.92	0.33	5.49	4.30	3.23	3.36	5.11	1.08	3.81	1.38	1.07	30.58
1886	2.17	0.46	4.03	3.89	3.41	2.83	1.07	2.77	3.39	0.95	1.02	1.63	29.42
1887	0.79	1.14	0.40	1.38	2.87	2.00	3.83	3.57	1.09	1.62	0.52	1.85	22.26
1888	1.00	0.35	2.00	1.97	4.64	3.26	3.34	4.59	0.39	0.91	0.98	0.93	24.49
1889	0.56	0.35	0.93	1.73	2.41	5.18	6.72	2.02	1.40	0.45	0.28	0.11	22.14
1890	1.51	0.61	1.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.40	0.78	1.84	2.98	3.40	4.27	4.58	3.85	2.15	1.90	0.71	1.37	29.29

ASHLAND, NEBR.

1883	.....	.....	.....	.....	.....	.....	.....	.....	3.30	3.64	0.40	0.50	.....
1884	0.58	0.30	2.19	3.15	3.54	4.52	11.79	5.50	4.33	6.05	0.22	0.50	42 67
1885	[0.50]	1.29	0.31	4.25	5.75	[2.50]	7.64	4.55	1.93	2.72	[0.50]	[1.00]	[32.94]
1886	2.00	0.72	3.33	2.90	5.29	3.34	1.06	3.20	5.42	1.14	1.00	0.60	30.00
1887	[0.40]	1.42	0.35	1.45	2.50	[4.40]	2.93	6.17	3.20	0.95	1.40	1.10	[26.36]
1888	1.25	1.25	4.64	2.08	5.88	5.20	2.31	2.30	0.21	1.43	0.96	0.97	27.58
1889	1.34	0.14	0.63	1.29	2.93	5.63	8.94	8.46	2.08	0.15	1.71	0.10	33.40
1890	0.04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.00	0.85	1.91	2.52	4.32	4.26	5.78	5.03	2.92	2.30	0.76	0.69	32.34

LOGAN, IOWA.

1866	.....	.....	.....	.....	1.20	3.10	3.00	1.30	4.40	.....	.....	.....	.....
1867	0.26	2.60	2.75	1.60	4.50	4.20	3.80	2.00	1.40	2.90	1.00	0.80	27.81
1868	[1.25]	1.60	2.40	2.80	4.00	6.90	3.25	[3.95]	4.30	[2.50]	1.50	3.10	[37.55]
1869	0.90	1.40	0.50	1.10	3.50	9.00	8.90	7.90	7.10	0.80	1.35	2.50	44.05
1870	0.90	[0.25]	1.70	0.40	2.00	0.30	7.00	1.80	9.90	1.10	[0.12]	0.20	[25.67]
1871	0.60	3.10	[0.18]	2.70	1.60	1.00	7.30	2.60	3.10	1.80	3.85	1.30	[29.13]
1872	0.10	0.30	2....	4.26	6.70	2.00	5.00	3.90	2.50	3.10	1.50	0.30	32.10
1873	2.20	1.00	2.10	3.60	7.70	8.40	5.10	8.40	1.50	3.20	0.00	[0.92]	[44.12]
1874	0.70	2.10	2.80	1.80	1.10	6.30	2.80	1.20	6.20	1.20	1.50	0.70	28.40
1875	0.60	1.80	3.80	2.40	2.50	0.90	7.00	7.60	3.50	1.40	0.20	1.30	42.00
1876	0.40	0.60	4.50	2.70	1.70	2.40	8.30	1.50	4.80	0.90	0.20	0.20	28.20
1877	2.30	1.20	1.50	4.90	11.00	6.70	2.90	4.80	1.40	4.00	1.40	3.00	45.10
1878	1.20	0.50	2.40	2.70	7.60	10.61	13.00	5.10	1.70	1.20	[0.25]	0.30	[46.56]
1879	0.40	1.10	4.10	0.90	5.80	5.30	2.60	3.50	2.50	4.10	2.00	0.80	33.10
1880	1.80	0.30	0.60	0.70	4.00	3.60	3.60	5.30	3.00	2.30	1.33	0.70	27.23
1881	3.10	5.30	2.40	5.40	9.30	5.10	9.50	1.20	5.30	6.60	1.50	1.90	56.60
1882	1.20	1.30	0.66	3.50	3.80	9.60	7.30	0.80	0.20	3.50	3.30	2.20	37.30
1883	2.50	1.20	1.10	2.60	7.60	8.50	3.30	5.00	4.10	2.50	0.10	1.10	39.90
1884	1.30	1.50	1.70	3.10	2.10	3.40	7.40	5.00	5.50	4.40	0.10	1.10	30.60
1885	[0.75]	1.10	0.30	4.90	6.00	9.80	5.10	5.40	1.00	4.20	1.00	1.40	[40.95]
1886	2.60	0.30	2.50	2.10	1.80	3.30	2.20	2.20	[4.60]	3.80	2.30	[1.45]	[29.15]
1887	0.90	0.70	0.60	1.40	1.30	2.90	2.40	4.80	4.20	0.90	1.50	2.00	23.60
1888	1.50	0.90	3.40	5.44	5.74	2.09	5.09	6.44	0.83	0.73	T	1.86	34.02
1889	1.49	T	0.69	1.35	3.28	9.87	6.28	3.14	1.32	0.46	1.85	0.14	29.87
1890	1.09	1.10	1.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.25	1.30	1.97	2.71	4.41	5.59	5.50	3.95	3.51	2.50	1.21	1.27	35.17

OMAHA, NEBR.

1857	.....	.....	.....	.....	.....	3.32	1.71	10.05	2.54	3.80	1.75	0.80	.....
1858	1.82	0.80	1.80	5.75	3.19	6.84	15.70	2.40	2.40	[2.77]	[1.23]	1.06	[45.76]
1859	0.72	0.96	1.73	1.70	6.18	2.56	2.02	1.80	1.23	0.98	0.87	0.52	21.27
1861	2.30	2.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1869	[0.67]	[0.73]	0.41	2.98	0.30	9.49	17.01	13.11	8.76	1.10	3.95	5.51	[64.02]
1870*	0.50	0.10	1.40	2.15	2.60	0.50	0.23	1.80	5.34	4.60	1.88	2.92	24.02
1871	0.60	1.76	0.18	3.38	1.83	2.65	9.89	2.58	2.73	2.06	4.22	0.91	32.79
1872	0.08	0.43	1.61	3.84	6.35	3.91	6.36	1.78	3.24	3.89	0.87	0.12	32.48
1873	0.64	0.04	0.44	3.83	5.59	5.86	4.24	1.60	1.86	1.82	0.19	0.93	27.04
1874	0.32	0.92	1.49	2.01	1.24	6.93	0.54	2.08	7.18	1.45	1.05	0.54	25.75
1875	0.20	0.51	1.24	3.06	4.25	10.95	10.01	7.77	2.55	1.16	0.13	1.00	42.89
1876	0.22	0.40	3.18	2.65	2.07	3.47	7.30	6.27	4.93	0.69	1.17	0.16	32.51
1877	0.53	0.44	1.26	6.24	8.62	8.36	0.96	3.13	2.05	5.86	1.36	2.14	40.95
1878	1.13	0.14	3.09	3.97	5.77	8.48	7.66	2.48	3.22	0.55	0.29	0.27	37.06
1879	0.07	0.93	2.17	1.77	5.53	4.09	3.17	1.51	1.43	3.64	4.25	1.75	30.31
1880	0.90	0.14	0.50	0.55	3.40	3.14	5.36	7.10	2.91	3.54	0.70	0.28	28.52
1881	0.61	3.09	0.72	4.23	7.94	5.56	5.89	1.65	8.36	4.84	1.29	1.56	45.74
1882	0.74	0.60	0.79	4.31	4.91	12.05	6.76	0.95	0.51	3.09	2.05	0.93	37.68
1883	1.01	1.09	0.52	3.20	11.29	12.70	4.79	3.39	4.53	5.03	0.64	0.73	48.92
1884	0.73	1.42	4.91	3.88	1.45	0.11	10.35	7.07	4.91	5.81	0.32	0.72	47.68
1885	0.41	0.47	0.33	6.34	4.43	2.67	9.24	4.53	2.50	3.86	0.73	1.17	36.68
1886	1.15	0.36	1.31	1.77	4.58	1.50	0.69	2.53	4.45	1.33	1.54	1.46	22.67
1887	0.49	1.00	0.48	0.88	1.39	4.56	2.02	3.94	2.44	0.72	0.89	1.11	19.92
1888	0.58	0.74	3.25	2.95	4.36	3.86	2.56	3.44	0.24	1.16	0.12	0.96	24.22
1889	1.62	0.23	0.53	1.19	2.67	5.44	4.94	2.90	1.74	0.34	0.87	0.50	22.97
1890	1.44	0.54	1.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.67	0.73	1.40	3.11	4.51	5.64	5.15	3.42	3.36	2.77	1.23	1.01	33.06

*January to October, 1870, from observations by Assistant Surgeons U. S. Army.

Statement showing the precipitation in inches and hundredths—Continued.

BELLEVUE, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1858	.....	.....	15.60?	4.35	5.56	7.27	15.85	1.36	2.74	6.03	0.59	0.72	.....
1859	0.72	1.13	1.42	1.57	4.98	1.62	1.44	2.25	1.46	0.86	0.47	[1.52]	[19.44]
1860	1.66	1.14	0.04	0.45	1.60	1.88	1.97	1.90	2.39	0.73	1.97	3.50	19.23
1861	1.72	1.43	0.04	1.30	4.21	3.06	0.84	1.73	6.47	1.94	0.58	0.60	23.92
1862	2.47	0.46	3.39	2.56	2.79	0.82	6.63	1.31	4.36	0.20	1.00	0.57	26.56
1863	.....	.....	.....	.....	1.94	2.84	2.25	1.89	1.75	1.00	1.55	2.16	.....
1864	0.41	[1.42]	2.21	2.40	1.32	2.76	0.74	1.48	1.12	4.23	1.45	0.34	[27.27]
1865	0.13	4.00	0.25	2.65	1.45	5.05	3.75	[2.45]	1.31	3.29	[1.05]	1.89	[19.88]
1866	2.05	0.40	0.66	1.87	1.91	5.27	1.52	1.46	5.90	0.84	1.38	0.88	24.14
1867	1.80	2.44	.....	1.78	5.38	2.92	.....	.....	.....	.....	.....	.....	.....
1868	[1.09]	[1.42]	2.40	3.60	7.20	3.90	1.40	2.10	2.20	1.30	0.50	6.40	[33.51]
1869	0.90	2.00	[2.45]	1.70	4.50	5.00	5.60	11.20	4.60	0.40	1.40	2.20	[41.65]
1870	0.40	0.00	1.02	2.70	5.80	2.10	2.00	3.60	6.60	2.30	0.00	0.10	26.62
1871	0.65	1.60	0.40	1.80	2.40	2.80	14.10	3.30	1.30	1.20	3.20	1.00	33.75
1872	0.20	0.40	0.90	2.40	[6.70]	4.70	7.40	0.90	4.10	4.00	0.70	0.40	[32.80]
1873	1.40	0.60	0.30	2.80	7.30	3.80	2.60	0.60	0.80	1.60	0.10	0.60	22.50
1874	0.70	2.90	1.50	1.40	2.60	7.70	1.80	1.70	6.20	0.90	0.80	1.50	29.70
Means	1.09	1.42	2.15	2.21	3.98	3.73	4.37	2.45	3.33	1.93	1.05	1.52	29.23

GLENWOOD, IOWA.

1875	0.70	0.95	2.25	1.43	.....	10.50	.....	.....	.....	1.40	0.00	1.63	.....
1876	[0.44]	0.59	3.72	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1878	.....	0.10	2.85	3.25	11.95	10.45	10.20	0.65	3.25	.....	.....	.....	.....
1879	.....	.....	.....	.....	.....	.....	3.00	1.20	2.65	3.15	4.61	1.17	.....
1880	0.96	0.18	0.43	0.66	5.86	1.45	4.06	7.61	2.68	3.05	1.38	0.09	28.41
1881	0.92	3.18	0.91	3.49	3.73	5.38	3.82	0.83	4.97	6.85	0.60	[2.45]	[37.13]
1882	.....	.....	.....	.....	4.56	7.55	3.05	0.20	.....	0.55	.....	.....	.....
1883	0.55	1.60	.....	0.05	.....	.....	.....	.....	.....	.....	.....	.....	.....
1888	[0.60]	0.91	2.76	0.41	6.11	3.81	2.52	7.56	0.43	1.35	0.37	0.59	[27.42]
1889	1.33	0.01	0.72	2.31	[3.10]	3.36	7.15	2.77	2.07	0.55	0.05	0.29	[23.71]
1890	(*)	0.25	0.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.79	0.86	1.74	1.66	5.88	6.08	4.83	2.97	2.68	2.41	1.17	1.04	32.11

FORT COLLINS, COLO.

1872	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.02	0.20	.....
1873	0.25	0.16	[0.50]	1.20	2.30	1.50	1.30	0.85	0.75	0.42	0.20	0.17	9.60
1874	0.06	0.43	1.20	0.77	2.95	0.65	3.15	0.25	[1.00]	1.00	0.02	0.00	[11.48]
1879	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.75	0.15	0.60	.....
1880	1.27	0.40	0.38	0.94	0.60	0.86	1.80	0.37	1.47	2.07	[0.50]	0.10	[10.76]
1881	1.10	0.55	1.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882	.....	.....	0.17	.....	4.67	3.07	1.76	0.89	2.51	0.82	0.29	.....	.....
1883	1.00	1.50	0.68	[3.00]	[4.00]	3.18	[1.85]	1.78	1.00	1.29	T.	1.33	[20.61]
1884	1.10	0.70	1.15	3.94	4.84	.....	.....	.....	.....	0.10	1.80	0.35	.....
1885	1.77	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	0.86	0.23	0.45	1.10	1.23	1.96	3.05	2.12	0.54	0.43	0.15	0.00	12.12
1888	0.29	0.36	0.73	1.23	3.39	0.47	0.60	1.01	0.29	0.88	0.38	0.16	9.79
1889	0.22	0.34	0.65	2.07	3.39	2.16	0.78	0.95	0.42	3.16	0.42	0.02	14.58
1890	0.13	0.21	0.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.73	0.48	0.69	1.78	3.04	1.73	1.79	1.03	1.00	1.19	0.36	0.29	14.11

LONGMONT, COLO.

1888	.....	.....	.....	1.26	4.11	0.04	1.21	0.54	0.03	1.81	0.28	[0.10]	.....
1889	0.21	0.73	0.41	1.71	3.53	1.68	0.21	[0.50]	0.63	3.24	0.40	0.04	[13.29]
Means	0.21	0.73	0.41	1.48	3.82	0.86	0.71	0.52	0.33	2.52	0.34	0.07	12.00

GREELEY, COLO.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.52	0.48	0.06	.....
1889	0.30	0.30	0.58	1.95	2.74	3.12	1.90	1.09	0.25	1.92	0.21	0.22	14.58
1890	0.10	0.25	0.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.20	0.28	0.47	1.95	2.74	3.12	1.90	1.09	0.25	1.22	0.34	0.14	13.70

FORT SEDGWICK, COLO.

1867	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.06	0.05	.....
1868	1.85	4.98?	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1869	.....	.....	1.25?	.....	.....	.....	2.06	0.88	.....	0.42	.....	0.42	.....
1870	0.38	0.06	0.92	2.25	2.13	0.26	0.36	3.12	3.00	0.38	0.00	1.53	14.39
1871	0.14	0.26	0.68	2.20	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.79	1.77	0.95	2.22	2.13	0.26	1.21	2.00	3.00	0.40	0.03	0.67	15.43

*Rain gauge unserviceable.

Statement showing the precipitation in inches and hundredths—Continued.

RED WILLOW, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1882	.....	.....	.....	.....	.....	2.68	1.24	1.16	0.24	0.12	0.00	0.52	.....
1883	0.50	0.04	0.02	1.75	2.82	4.08	2.67	3.65	3.15	3.92	0.02	1.53	26.04
1884	0.33	0.70	1.10	1.47	5.34	2.28	7.04	5.24	0.12	0.73	0.20	1.17	25.72
1885	1.20	1.74	0.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	1.29	0.82	1.02	3.04	3.03	3.48	2.41	2.28	2.28	.....	.....	.....	.....
1887	.....	.....	.....	3.53	0.51	3.11	.....	4.86	.....	0.29	1.15	.....	.....
1888	0.48	1.28	0.72	2.88	6.48	2.68	1.04	1.88	1.04	1.12	0.28	0.12	20.00
1889	1.00	T.	1.54	2.28	2.00	4.52	.....	.....	.....	.....	.....	.....	.....
Means	0.82	0.91	0.93	2.49	3.36	3.39	2.88	3.18	1.37	1.24	0.33	0.84	21.74

CULBERTSON, NEBR.

1887	.....	.....	.....	.....	.....	.....	5.76	5.25	3.40	0.15	0.22	0.30	.....
1888	[0.10]	[0.50]	[1.00]	2.90	4.79	1.85	1.12	1.64	0.97	0.83	0.25	0.05	[16.00]
1889	0.75	0.13	1.04	2.43	2.28	2.40	6.18	2.97	0.85	1.30	0.55	0.11	21.08
1890	0.28	0.16	0.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.38	0.26	0.70	2.66	3.53	2.17	4.35	3.29	1.74	0.76	0.34	0.15	20.33

KEENE, NEBR.

1884	[0.40]	0.38	1.08	4.12	4.22	0.30	6.60	[2.00]	0.80	2.45	[0.10]	0.50	[22.95]
1885	0.30	0.55	0.20	2.75	2.23	2.41	5.75	3.60	1.60	1.95	1.14	1.60	24.08
Means	0.35	0.46	0.64	3.44	3.22	1.36	6.18	2.80	1.20	2.20	0.62	1.05	23.52

GRAND ISLAND, NEBR.

1888	.....	.....	.....	.....	9.32	2.60	.....	.....	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	.....	.....	.....	.....	0.87	0.46	0.75	0.20	.....
1890	0.55	.....	0.23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.55	.....	0.23	.....	9.32	2.60	.....	.....	0.87	0.46	0.75	0.20	.....

MARQUETTE, NEBR.

1882	.....	.....	.....	.....	5.81	3.50	2.75	0.03	2.20	2.10	0.25	0.60	.....
1883	0.60	0.66	0.27	1.60	5.10	5.95	2.20	3.68	0.35	3.23	T.	0.87	24.60
1884	0.78	0.54	0.86	3.13	*4.61	1.58	8.25	1.70	1.79	2.17	0.20	6.05	31.66
1885	0.23	0.58	0.60	5.43	2.45	4.79	4.75	3.79	2.06	2.86	0.81	0.68	29.03
1886	1.90	0.69	3.52	2.44	6.27	2.23	2.55	3.73	3.85	0.14	0.79	1.13	29.24
1887	0.15	0.85	0.02	2.15	1.61	7.22	1.59	2.63	2.57	0.50	0.61	0.95	20.85
1888	0.12?	0.73	2.37	2.02	3.80	2.41	3.21	3.81	0.13	0.87	T.	0.01	19.48
1889	0.84	0.12	1.12	2.14	2.12	3.65	9.59	3.53	3.72	[1.00]	2.66	0.40	[30.89]
1890	0.98	0.42	0.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.70	0.57	1.15	2.70	3.98	3.92	4.36	2.86	2.08	1.61	0.66	1.34	25.93

* Incomplete record.

FORT KEARNEY, NEBR.

1849	.....	.....	6.12	7.86	10.74	4.00	7.70	6.05	0.27	1.80	0.10	0.10	.....
1850	0.47	0.06	1.06	1.07	2.88	9.93	5.38	1.66	0.43	0.26	1.57	0.30	25.07
1851	1.15	0.97	0.14	0.73	9.43	3.50	2.86	2.78	2.60	0.52	1.00	0.76	26.44
1852	0.12	0.25	0.28	0.73	5.23	3.02	2.69	1.84	2.17	1.35	2.24	0.73	20.65
1853	0.60	0.02	0.08	6.10	8.46	2.47	8.28	2.21	0.94	0.26	1.00	0.08	29.90
1854	0.23	1.33	1.87	2.56	4.15	5.40	3.51	1.18	4.60	1.07	0.75	0.00	26.65
1855	1.00	0.25	1.35	0.68	4.91	2.20	3.90	4.69	[2.27]	0.18	2.12	1.48	[25.03]
1856	0.27	0.52	0.64	3.44	3.18	4.65	5.09	2.14	1.92	5.50	0.40	1.35	29.10
1857	1.06	0.00	0.12	1.21	1.56	0.49	8.50	4.39	2.65	5.88	2.56	0.20	28.62
1858	1.45	0.24	1.94	4.04	3.55	3.02	4.41	1.76	2.10	3.35	0.21	0.07	26.14
1859	0.20	0.37	2.99	0.65	3.95	0.66	1.80	2.76	2.03	0.38	0.21	0.10	16.10
1860	0.27	0.34	0.00	1.01	0.68	4.82	3.82	0.75	3.52	1.08	0.08	0.48	16.85
1861	0.75	0.62	0.27	0.20	3.66	4.13	3.06	2.13	2.49	0.32	1.01	0.70	19.34
1862	0.86	0.43	[1.17]	1.41	1.35	3.37	5.41	3.50	4.00	0.00	0.39	0.13	[22.02]
1863	0.40	0.73	0.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1865	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.75	.....
1866	0.76	0.26	1.75	.....	0.75	.....	.....	.....	.....	.....	.....	.....	.....
1867	.....	.....	.....	.....	.....	.....	.....	T.	.....	.....	.....	.....	.....
1868	0.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882	0.95	.....	0.00	2.95	7.15	2.40	3.45	1.60	2.10	2.85	.....	.....	.....
Means	0.59	0.43	1.17	2.31	4.48	3.60	4.66	2.46	2.27	1.65	0.97	0.55	25.44

Statement of precipitation in inches and hundredths—Continued.

MINDEN, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1882	0.60	0.60	0.05	4.53	5.92	2.35	3.67	2.80	1.71	0.10	0.10	0.82	29.25
1883	1.22	1.36	0.45	6.05	6.50	.....	1.98	1.93	.....	.....	.....	1.04	.....
1884	0.50	1.36	1.94	1.40	3.45	.....	11.60	.....	.....	.....	.....	.....	.....
1885	.....	.....	.....	.....	.....	.....	11.79	2.71	3.20	2.76	1.22	2.00	.....
1886	.....	.....	.....	.....	5.83	2.60	[2.50]	9.50	*2.91	0.15	2.30	0.91	.....
1887	.....	.....	0.32	4.42	3.60	1.94	2.98	.....	.....	.....	.....	.....	.....
1888	0.20	0.78	3.91	8.00	5.76	7.75	[1.00]	4.12	[0.20]	1.55	0.10	0.17	[33.54]
1889	1.37	0.15	2.83	2.81	5.24	5.71	13.20	2.40	[1.00]	1.85	1.50	0.55	[38.61]
1890	1.32	.....	0.93	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.87	0.85	1.49	4.54	5.19	4.07	6.00	3.91	1.80	2.48	1.04	0.92	33.25

HARVARD, NEBR.

1885	0.68	0.60	.....	3.00	*p*5.25	.....	.....	*4.50	*e*1.50	4.00	1.50	1.75	.....
1886	4.62	0.25	[2.50]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	*k*3.16	3.00	0.60	.....	4.50	.....	.....	.....	.....
Means	2.65	0.42	[2.50]	3.00	4.20	3.00	0.69	4.50	3.00	4.00	1.50	1.75	[31.21]

* Incomplete record.

LEXINGTON, NEBR.

1889	.....	.....	.....	2.33	.....	.....	.....	.....	.....	0.37	0.35	0.52	.....
1890	0.74	0.10	0.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.74	0.10	0.16	2.33	.....	.....	.....	.....	.....	0.37	0.35	0.52	.....

FRANKLIN, NEBR.

1888	0.16	0.45	1.67	1.28	4.00	.....	.....	.....	.....	.....	.....	.....	.....
1889	1.60	0.20	2.15	2.09	5.28	3.62	.....	.....	.....	.....	.....	0.03	.....
1890	0.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.65	0.32	1.91	1.68	4.64	3.62	.....	.....	.....	.....	.....	0.03	.....

INAVALE, NEBR.

1882	0.15	0.20	0.00	6.80	6.40	6.75	2.45	[2.50]	[0.50]	2.20	0.60	0.20	[28.75]
1883	0.20	1.08	0.25	4.55	3.30	5.70	.....	.....	2.00	.....	.....	.....	.....
1884	0.25	0.30	2.30	2.75	6.60	2.95	.....	.....	.....	.....	.....	.....	.....
1885	.....	.....	.....	5.05	4.80	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.20	0.53	0.85	4.79	5.28	5.13	2.45	[2.50]	1.25	2.20	0.60	0.20	[25.98]

RED CLOUD, NEBR.

1872	.....	.....	0.68	.....	.....	7.65	6.35	2.13	.....	0.30	0.00	0.35	.....
1873	0.41	0.25	0.05	0.01	.....	.....	.....	.....	.....	.....	.....	.....	.....
1874	.....	.....	.....	.....	.....	.....	5.00	2.90	.....	.....	.....	.....	.....
Means	0.41	0.25	0.73	0.01	.....	7.65	5.68	2.52	.....	0.30	0.00	0.35	.....

SUPERIOR, NEBR.

1882	0.25	0.35	[0.15]	3.62	4.00	3.62	4.00	0.40	1.63	2.37	1.13	1.87	[23.30]
1883	0.51	1.11	0.25	2.37	5.75	3.12	6.50	3.37	[2.00]	5.87	0.88	[0.40]	[32.13]
1884	4.12	0.92	2.76	3.62	2.72	1.24	7.87	2.63	1.50	1.74	[0.08]	2.05	[31.25]
1885	.....	.....	.....	3.70	4.62	2.12	3.97	.....	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	.....	.....	10.25	.....	.....	.....	.....	.....	.....
Means	1.63	0.79	1.05	3.33	4.27	2.52	6.52	2.13	1.71	3.33	0.70	1.44	29.42

Statement of precipitation in inches and hundredths—Continued.

YORK, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1884	.....	.....	.....	.....	2.75	1.38	7.87	.....	.....	3.43	0.06	.....	.....
1885	.....	0.96	.....	6.25	4.19	2.12	.....	.....	3.13	.....	1.37	.....	.....
1886	.....	.....	.....	2.12	4.56	6.50	2.37	4.75	2.38	0.40	.....	.....	.....
1887	.....	.....	.....	2.00	4.60	.....	1.62	.....	.....	.....	.....	.....	.....
Means	.....	0.96	.....	3.46	4.02	3.33	3.95	4.75	2.70	1.92	0.72	.....	.....

UTICA (*7 miles north of*), NEBR.

1882	.....	.....	.....	.....	.....	.....	.....	.....	1.41	.....	.....	.....	.....
1883	1.19	1.38	0.15	1.45	5.29	7.96	2.75	1.64	1.43	3.12	[0.20]	0.40	[26.96]
Means	1.19	1.38	0.15	1.45	5.29	7.96	2.75	1.64	1.42	3.12	[0.20]	0.40	[26.95]

STOCKHAM, NEBR.

1882	0.42	0.50	0.32	7.20	10.55	4.30	5.10	1.40	1.55	4.50	0.25	0.30	36.39
1883	0.50	1.75	0.30	3.95	4.45	9.00	3.25	7.13	[1.50]	4.20	[0.20]	0.85	[37.14]
1884	0.80	0.50	1.00	5.00	4.10	1.10	5.70	2.70	1.70	2.35	0.10	0.25	25.30
1885	0.60	5.40	0.45	4.10	3.30	3.05	4.80	7.75	1.50	[2.75]	1.05	1.85	[36.60]
1886	3.60	0.75	2.00	1.60	4.30	3.55	2.40	6.75	1.85	0.20	1.10	0.45	28.55
1887	0.25	0.75	0.20	2.05	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.04	1.61	0.71	3.98	5.34	4.20	4.25	5.15	1.62	2.80	0.54	0.74	31.98

SARONVILLE, NEBR.

1889	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.50	0.12	0.01	.....
1890	1.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.10	.....	.....	.....	.....	.....	.....	.....	.....	0.50	0.12	0.01	.....

SUTTON, NEBR.

1882	0.25	1.95	0.00	10.95	4.95	4.35	6.65	1.15	2.06	4.40	0.20	2.05	38.96
1883	0.70	0.72	0.65	6.35	14.18	[4.70]	7.76	7.96	.....	.....	.....	.....	.....
Means	0.48	1.34	0.32	8.65	9.56	4.52	7.20	4.56	2.06	4.40	0.20	2.05	45.34

MILFORD, NEBR.

1882	0.59	0.50	0.01	6.88	3.67	4.00	4.93	0.50	1.00	.....	.....	.....	.....
1883	.....	.....	0.13	1.57	5.68	8.88	.....	.....	.....	.....	.....	.....	.....
Means	0.59	0.50	0.07	4.22	4.68	6.44	4.93	0.50	1.00	.....	.....	.....	.....

FAIRBURY, NEBR.

1883	.....	.....	.....	.....	.....	.....	.....	.....	0.32	6.27	0.50	.....	.....
1884	2.09	0.70	5.23	.....	1.73	1.38	9.47	.....	.....	2.26	.....	.....	.....
1885	[0.60]	[0.60]	0.75	5.33	3.28	1.37	7.56	1.04	2.91	1.81	0.26	0.97	[26.48]
1886	1.00	0.98	2.56	3.88	4.66	3.97	0.49	3.49	5.15	1.92	[0.80]	[0.70]	[29.60]
1887	0.30	0.45	0.65	[1.50]	3.90	2.82	2.99	1.35	1.35	0.57	0.50	0.70	[17.08]
1888	[9.70]	0.50	3.25	1.85	4.40	6.91	2.78	3.98	0.25	2.04	0.15	0.29	[27.10]
1889	1.51	0.36	1.75	1.81	7.79	0.61	8.75	1.01	2.46	1.07	0.66	0.00	27.78
1890	0.82	0.20	0.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.00	0.54	2.12	2.87	4.29	2.84	5.34	2.17	2.07	2.28	0.48	0.53	26.53

GLENDALE, NEBR.

1866	.....	.....	2.53	3.19	2.85	.....	2.80	3.22	5.65	.....	1.65	1.60	.....
1867	0.59	2.70	2.12	2.80	8.25	3.15	4.70	1.70	1.55	1.05	0.05	0.85	29.51
1868	0.85	1.15	2.75	3.60	8.20	5.00	3.00	6.30	2.35	1.90	1.65	2.10	38.85
1869	1.30	2.45	0.60	2.52	6.65	9.05	7.50	10.00	5.20	0.75	[1.12]	[1.52]	[48.66]
Means	0.91	2.10	2.00	3.03	6.49	5.73	4.50	5.30	3.69	1.23	1.12	1.52	37.62

Statement showing the precipitation in inches and hundredths—Continued.

WEEPING WATER, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1882	0.60	0.50	1.62	5.21	3.25	3.63	[5.00]	0.50	0.38	3.75	1.70	0.88	[27.02]
1883	0.75	0.75	0.25	0.75	6.75	14.63	1.88	11.05	2.25	6.00	0.50	0.00	45.56
1884	0.50	0.63	1.73	3.00	0.87	1.24	7.62	4.50	3.11	1.74	0.06	0.75	25.75
1885	[0.60]	[0.50]	0.24	3.85	4.25	1.18	7.61	3.83	2.25	3.12	0.50	0.87	[28.80]
1886	2.05	0.25	2.62	2.50	4.55	5.47	0.25	3.00	5.87	1.27	1.36	1.23	30.42
1887	0.36	0.98	0.27	1.48	4.36	7.12	2.62	4.62	3.50	0.50	0.62	0.75	27.18
1888	[1.00]	0.87	3.87	2.12	4.00	1.50	5.12	[4.00]	[0.30	1.86	1.00	0.75	[26.39]
1889	1.72	0.24	0.74	1.25	5.22	3.58	4.00	8.11	2.40	T.	2.62	0.25	30.82
1890	1.24	0.49	1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.98	0.58	1.43	2.52	4.31	4.79	4.34	4.95	2.52	2.28	1.05	0.68	30.43

LINCOLN, NEBR.

1870	.....	.....	.....	2.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
1881	[1.00]	2.76	2.10	3.52	11.50	5.33	1.33	0.25	3.25	[5.00]	0.92	0.83	[37.79]
1882	0.53	0.70	0.45	4.20	11.33	.....	.....	.....	0.25	0.58	0.33	1.12	.....
1883	0.94	1.22	0.11	1.80	6.12	12.08	2.42	6.04	2.32	6.03	0.56	0.56	40.20
1884	0.70	1.00	2.20	2.36	2.44	.....	.....	.....	.....	.....	.....	.....	.....
1885	.....	.....	.....	3.34	2.84	1.07	.....	4.29	1.11	1.50	0.75	1.50	.....
1886	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.68	1.50	0.12	.....
1887	0.15	1.07	0.52	0.53	3.70	.....	.....	.....	.....	0.85	1.18	0.70	.....
1888	0.80	0.40	3.03	1.61	4.62	4.74	3.00	4.95	0.08	1.84	0.19	0.46	25.81
1889	1.28	0.23	1.01	2.28	[4.00]	2.93	5.16	4.40	2.41	0.38	1.03	0.00	[25.11]
1890	0.86	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.77	1.25	1.42	2.56	5.90	3.52	2.70	5.03	1.32	1.88	0.84	0.62	[27.81]

PALMYRA, NEBR.

1882	0.40	[0.70]	0.40	4.65	4.80	3.59	4.16	0.68	0.50	1.82	1.51	0.55	[23.76]
1883	1.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.70	[0.70]	0.40	4.65	4.80	3.59	4.10	0.08	0.50	1.82	1.51	0.55	[24.06]

CRETE (BOSWELL OBSERVATORY), NEBR.

1882	0.57	0.56	0.15	6.17	[9.00]	3.80	4.45	0.38	[0.40]	1.25	1.10	0.20	[28.09]
1883	[1.30]	0.50	0.10	0.90	[3.50]	[4.40]	3.81	6.56	2.51	[4.50]	0.10	0.39	[28.63]
1884	0.41	0.41	1.20	3.02	1.79	1.39	5.94	3.18	1.46	3.80	0.02	0.19	22.81
1885	0.08	0.48	0.17	4.08	4.32	2.54	7.25	2.70	2.09	1.07	0.72	0.71	26.21
1886	1.63	0.92	2.39	4.20	3.39	6.10	0.83	3.24	3.21	0.71	0.50	0 57	27.69
1887	0.63	0.93	0.09	1.02	5.68	4.03	1.75	3.75	2.30	0.77	1.42	0.87	23.24
1888	0.35	0.61	4.63	2.31	5.01	4.02	2.15	1.67	0.13	2.03	0.17	0.26	23.34
1889	1.45	0 31	1.40	2.70	4.46	2.50	6.05	5.86	1.91	0.37	1.65	T.	28.66
1890	1.27	0.15	1.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.85	0.55	1.27	3.05	4.64	3.60	4.03	3.42	1.75	1.81	0.71	0.41	26.09

SYRACUSE,* NEBR.

1871	.....	.....	.....	.....	.....	2.87	9.40	.....	.....	0.70	2.55	1.81	.....
1872	0.10	0.55	2.85	2.75	5.25	4.10	4.61	1.60	3.00	5.25	0.15	0.30	30.51
1873	1.45	0.12	0.30	2.95	6.81	3.60	2.40	1.30	0.80	1.30	[0.30]	[1.00]	[22.33]
1874	0.20	1.60	1.35	1.70	1.80	8.93	[1.00]	0.90	5.45	[1.50]	1.10	1.40	[26 93]
1875	0.70	1.15	2.05	2.02	1.55	10.50	14.20	[4.00]	2.30	2.90	0.00	1.02	[42.39]
1876	0.30	1.57	7.45	3.80	3.10	.....	.....	.....	6.03	1.25	2.03	0.27	.....
1877	1.65	0.37	1.70	[5.10]	[8.00]	4.42	1.40	3.90	2.10	5.60	1.75	2.60	[38.59]
1878	1.30	0.40	2.08	.....	.....	5.70	5.67	1.80	.....	.....	.....	.....	.....
1879	0.15	1.30	0.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883	1.00	1.00	0.35	1.40	5.93	15.35	3.00	3.30	2.40	5.65	0.55	0.30	40.23
1884	0.30	0.50	3.35	3.15	2.90	2.60	5.35	3.25	2.90	2.40	0.25	0.65	27.60
1885	0.40	2.90	0.18	4.30	4.91	2.84	6.62	2.56	2.84	4.08	0.30	1.00	32.93
1886	0.90	0.80	1.06	3.06	5.15	4.81	1.86	[2.00]	1.76	2.06	1.51	0.77	[25.74]
1887	0.21	0.48	0.26	1.31	2.82	5.01	1.21	2.65	5.12	0.49	0.84	0.89	21.29
1888	0.26	0.90	3.45	2.00	8.09	3.09	4.68	2.56	0.26	2.04	1.18	0.56	29.07
1889	1.15	0.47	0.80	2.13	3.39	3.34	5.53	3.84	1.03	1.41	0.42	0.03	23.54
Means	0.67	0.94	1.86	2.74	4.59	5.51	4.78	2.59	2.77	2.62	0.92	0.90	30.89

* Also known as Emerson.

Statement showing the precipitation in inches and hundredths—Continued.

DE WITT, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1882	.....	.....	0.20	5.00	5.75	6.85	6.30	0.50	.....	2.50	.....	2.00	.....
1883	2.00	1.00	[0.30]	2.25	3.75	11.30	4.25	2.45	1.40	6.00	1.00	[0.40]	[36.10]
1884	1.00	0.80	.....	5.90	0.95	1.40	8.70	.....	.....	2.50	0.20	1.00	.....
1885	0.50	1.40	.....	6.50	7.40	.....	0.10	7.00	2.20	.....	0.50	.....	.....
1886	2.00	1.00	1.80	[2.50]	3.60	7.10	0.10	[3.00]	5.50	1.00	0.90	0.53	[30.23]
1887	0.50	0.80	0.40	1.00	4.50	.....	1.20	.....	1.30	.....	1.00	.....	.....
1888	1.00	[0.50]	1.50	1.50	5.50	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.17	1.02	0.84	3.52	4.49	6.66	4.41	3.24	2.00	3.15	0.72	0.98	32.93

TECUMSEH, NEBR.

1884	.....	.....	.....	.....	.....	4.94	9.03	4.20	0.90	3.03	0.70	0.60	.....
1885	1.13	1.25	0.33	4.90	4.50	3.75	0.13	1.93	2.06	3.23	0.63	0.50	30.94
1886	2.00	1.54	1.33	3.50	7.25	5.06	5.04	1.19	4.06	2.65	0.80	1.50	35.92
1887	0.90	2.40	0.90	2.15	5.79	3.99	0.80	4.25	4.87	0.70	0.45	1.23	28.43
1888	0.22?	1.61	2.75	1.75	8.23	4.31	3.86	4.89	0.30	2.45	0.35	0.60	31.32
1889	1.90	0.90	1.35	[2.27	5.42	3.85	5.40	12.10	1.50	1.85	0.60	[0.03]	[37.17]
1890	1.10	0.40	1.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.21	1.35	1.29	2.92	6.24	4.32	5.05	4.76	2.39	2.32	0.59	0.74	33.18

CEDAR BEND, NEBR.

1882	0.15	0.76	0.20	7.19	3.37	6.36	5.70	4.13	0.88	2.63	[1.90]	1.02	[34.29]
1883	0.60	0.76	0.07	.....	.....	15.42	.....	.....	.....	.....	.....	.....	.....
Means	0.38	0.76	0.14	7.19	3.37	10.89	5.70	4.13	0.88	2.63	[1.90]	1.02	[38.99]

MISSION CREEK, NEBR.

1882	0.25	0.66	0.84	.....	4.50	.....	7.75	1.25	.....	.....	.....	.....	.....
1883	.....	.....	.....	0.64	.....	.....	.....	.....	.....	.....	0.38	0.53	.....
1884	0.50	0.56	4.31	.....	.....	.....	.....	.....	6.63	.....	.....	.....	.....
1885	1.25	.....	.....	.....	4.75	1.37	.....	.....	.....	.....	.....	.....	.....
1886	1.87	0.56	2.06	2.62	.....	8.38	.....	.....	4.00	.....	.....	.....	.....
1887	1.10	0.75	.....	1.81	.....	2.56	.....	.....	2.57	.....	.....	.....	.....
Means	0.99	0.63	2.40	1.09	4.62	4.10	7.75	1.25	4.40	.....	0.38	0.53	.....

TABLE ROCK, NEBR.

1882	0.09	0.80	0.45	4.23	2.97	3.50	7.45	1.85	0.60	2.90	0.40	1.17	26.50
1883	0.28	[1.00]	0.10	1.28	3.64	17.02	2.84	1.40	0.71	4.23	0.40	0.24	[33.14]
1884	0.40	0.45	2.22	3.09	1.35	1.44	6.73	4.00	[2.50]	2.30	0.40	0.44	[25.32]
1885	.....	0.86	.....	.....	2.50	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.26	0.78	0.92	2.87	2.62	7.32	5.67	2.44	1.27	3.14	0.43	0.62	28.34

PAWNEE CITY, NEBR.

1882	0.75	0.50	0.60	6.50	.....	.....	4.26	.....	0.87	3.67	0.85	1.21	.....
1883	.....	.....	.....	.....	.....	.....	4.04	2.11	1.36	.....	0.78	.....	.....
1884	0.11	.....	0.22	3.41	1.21	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.43	0.50	0.41	4.96	1.21	.....	4.15	2.11	1.12	3.67	0.82	1.21	.....

PLATTSMOUTH, NEBR.

1873	.....	.....	.....	.....	.....	.....	6.40	1.00	2.20	.....	0.45	1.60	.....
1874	0.65	1.55	2.51	2.61	3.15	18.02	1.10	1.40	11.13	2.11	1.80	0.80	46.83
1875	0.44	0.90	3.38	4.62	2.77	11.92	6.72	8.40	5.63	1.32	0.01	1.10	47.21
1876	0.06	0.94	2.09	5.16	3.10	4.58	7.44	8.39	7.03	0.71	2.14	0.06	41.70
1877	1.32	0.42	1.01	5.88	7.57	6.41	2.20	4.56	2.37	7.11	1.70	1.73	42.28
1878	1.69	0.15	3.09	4.01	5.54	9.64	11.61	1.23	3.36	0.71	0.71	0.65	42.39
1879	0.12	1.12	2.15	2.17	5.94	5.05	3.10	2.16	2.12	1.99	5.36	1.39	32.67
1880	0.87	0.18	0.56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882	0.69	[0.80]	1.12	3.94	4.92	4.91	4.56	1.69	0.67	5.63	2.02	1.69	[32.64]

Statement showing the precipitation in inches and hundredths—Continued.

PLATTSMOUTH, NEBR.—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1883	1.85	2.19	1.27	0.32	.....	.....	.....	.....	.....	.....	.....	.....	.....
1884	0.74	0.22	2.01	0.11	2.38	2.68	4.99	4.69	1.12	1.45	0.00	0.19	20.58
1885	0.09	0.48	0.32	1.75	3.67	1.24	6.85	3.96	0.81	5.65	0.09	1.35	25.20
1886	1.34	0.08	2.60	1.21	1.25	0.65	1.83	1.90	3.80	1.04	1.00	0.82	17.52
1887	0.11	1.27	0.20	0.45	3.40	2.22	2.36	2.44	2.88	0.75	1.07	1.19	18.34
1888	0.40	0.90	2.55	2.40	8.30	5.90	3.22	5.20	0.60	.....	.....	.....	.....
1889	.....	.....	.....	1.90	2.90	4.90	8.75	4.20	2.90	0.69	1.02	0.30	.....
1890	1.55	0.25	1.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.79	0.76	1.75	2.61	4.15	0.01	5.08	3.66	3.33	2.43	1.34	0.99	32.90

NEBRASKA CITY, NEBR.

1859	.....	.....	.....	.....	5.69	4.22	2.08	1.49	3.50	2.13	2.27	0.20	.....
1870	1.73	0.00	3.05	2.01	2.80	1.00	2.63	4.10	7.10	2.55	0.20	0.17	27 34
1871	3.35	1.30	0.61	1.61	9.58	10.85	.....	.....	.....	.....	.....	.....	.....
1874	.....	.....	.....	.....	.....	.....	0.71	1.19	8.08	1.51	.....	.....	.....
1882	0.57	0.92	[1.00]	4.60	4.40	3.82	[4.00]	0.30	0.50	7.07	1.95	1 21	[30.34]
1883	0.50	1.38	0.59	1.63	8.15	16.27	.....	.....	.....	.....	0.64	0.40	.....
1884	0.46	0.62	2.38	3.36	3.80	4.43	4.92	5.30	3.25	[3.00]	0.27	0.62	[32.47]
1885	0.55	0.35	0.35	4.17	8.29	3.78	[6.00]	2.33	3.11	4.00	0.50	0.98	[34.41]
1886	1.20	0.60	1.33	4.65	5.37	4.42	[1.00]	1.36	4.00	2.18	0.97	0.92	[28.00]
1887	0.10	0.96	0.35	1.24	3.04	3.10	[1.50]	3.41	3.88	0.50	0.60	0.70	[19.38]
1888	0.41	1.20	4.29	1.84	6.99	3.79	3.43	3.15	0.07	2.31	0.41	0.63	28.52
1889	1.30	0.29	0.68	1.80	4.26	[3.50]	4.38	[4.00]	1.22	0.95	0.74	0.04	[23.16]
1890	1.30	.....	1.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.04	0.76	1.47	2.69	5.68	5.38	3.06	2.66	3.47	2.62	0.86	0.59	30.28

HOWE, NEBR.

1889	.....	.....	.....	.....	.....	.....	.....	.....	1.08	0.68	1.51	T	.....
1890	2.08	3.00	4.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	2.08	3.00	4.12	.....	.....	.....	.....	.....	1.08	0.68	1.51	T	.....

HOWARD, NEBR.

1874	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.35	0.65	.....
1875	[0.50]	[0.35]	1.60	2.79	2.40	5.30	10.21	2.39	2.47	1.72	T	0.75	[30.48]
1870	0.41	0.43	5.61	3.66	3.41	4.43	5.01	4.02	5.27	*1.94	1.86	0.10	36.18
1877	0.68	0.55	1.35	5.16	10.05	3.76	2.05	4.15	1.90	7.29	1.86	1.79	40.59
1878	1.63	0.52	2.36	2.78	3.58	9.58	6.99	1.53	2.03	[1.00]	0.41	0.66	[33.07]
1879	0.64	0.75	0.90	2.83	5.39	4.75	3.79	2.31	3.56	1.83	6.46	1.32	34.53
1880	1.03	0.13	0.26	1.08	3.02	2.10	2.71	6.09	5.76	3.08	1.28	0.26	27.40
1881	0.35	3.30	1.50	2.73	6.28	[4.00]	1.00	1.50	12.36	5.23	.....	.....	.....
Means	0.75	0.86	1.94	3.00	4.88	4.85	4.54	3.14	4.76	3.23	1.89	0.79	34.63

*Incomplete record.

PERU, NEBR.

1882	0.30	1.50	1.00	3.80	4.33	0.45	3.60	1.50	0.50	4.70	1.15	1.50	30.33
1883	0.70	1.10	0.50	2.50	9.35	13.72	3.92	3.50	3.25	5.46	0.50	1.00	45.50
1884	*0.40	0.70	3.30	.....	1.15	5.84	4.25	.....	.....	.....	.....	.....	.....
Means	0.47	1.10	1.60	3.15	4.94	8.67	3.92	2.50	1.88	5.08	0.82	1.25	35.34

* Incomplete record.

BROWNVILLE, NEBR.

1885	.....	.....	.....	.....	.....	7.50	.....	.....	.....	.....	.....	.....	.....
1886	[2.50]	0.80	2.02	[3.00]	[4.00]	6.12	3.00	2.12	6.36	4.37	2.94	1.40	[38.63]
1887	0.90	1.01	1.72	1.40	4.93	3.93	2.30	3.74	5.36	0.75	2.07	0.38	28.49
1888	0.60	1.70	3.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	.....	4.20	5.19	6.07	.....	.....	.....	.....	.....
Means	1.33	1.17	2.36	2.20	4.46	5.44	3.50	3.98	5.86	2.56	2.50	0.89	36.25

Statement showing the precipitation in inches and hundredths—Continued.

DAWSON, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1883	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.33	0.80	.....	.....
1884	0.33	0.24	4.00	.....	0.89	3.93	.....	.....	.....	.....	.....	.....	.....
1885	1.31	1.34	0.25	3.89	2.62	4.00	4.00	1.95	2.07	2.28	0.06	.....	.....
1886	.....	.....	.....	2.50	.....	.....	.....	.....	.....	.....	1.05	0.96	.....
1887	.....	1.35	0.75	.....	2.50	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.82	0.98	1.97	3.20	2.00	3.96	4.00	1.95	2.07	4.30	0.06	0.90	[illegible]87

JOHNSON, NEBR.

1882	.....	.....	0.55	5.35	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883	[0.10]	T	0.55	0.75	6.55	16.20	4.45	0.80	1.25	4.15	0.50	0.26	[35.86]
1884	0.50	1.01	3.71	2.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.45	0.50	1.60	2.97	6.55	16.20	4.45	0.80	1.25	4.15	0.50	0.26	39.08

FALLS CITY, NEBR.

1883	.....	.....	.....	.....	.....	.....	.....	1.38	1.42	6.23	1.05	.....	.....
1884	0.65	0.39	2.78	2.78	1.52	3.95	7.01	[4.07]	2.00	2.27	1.00	0.68	[29.03]
1885	0.84	.....	0.30	4.32	.....	.....	.....	1.45	3.10	3.71	0.30	.....	.....
1886	[2.50]	0.85	2.75	3.01	2.52	7.87	0.20	1.37	5.26	3.26	1.30	0.86	[31.81]
1887	0.71	1.48	0.85	1.29	[5.00]	[4.00]	2.10	4.70	4.76	2.04	0.68	1.31	[28.92]
1888	0.92	1.92	2.96	1.97	6.58	4.22	2.78	5.45	0.55	1.71	1.93	0.79	31.78
1889	1.51	1.06	0.55	2.95	6.55	3.92	5.37	5.01	1.12	2.14	0.75	0.00	30.93
1890	0.25	0.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.05	0.98	1.70	2.72	4.43	4.70	3.50	3.35	2.61	3.05	1.00	0.73	29.91

MONUMENT, KANS.

1885	0.18	0.74	0.28	3.62	1.73	5.61	4.55	2.70	1.54	2.10	0.88	.....	.....
1886	0.15	0.04	0.85	3.35	0.85	[3.30]	1.45	[2.69]	0.48	0.05	0.02	[0.10]	[13.28]
1887	0.25	0.45	0.00	3.96	2.90	2.55	4.05	2.35	1.53	0.50	0.40	.....	.....
1888	0.06	1.60	0.75	3.50	1.80	2.40	1.50	1.70	0.00	1.50	0.50	0.20	15.81
1889	0.75	0.55	0.80	2.20	3.10	2.80	1.60	4.00	1.20	1.55	0.65	0.00	19.20
1890	.....	0.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.28	0.60	0.54	3.33	2.08	3.33	2.63	2.69	0.95	1.20	0.49	0.10	18.22

ALLISON, KANS.

1883	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.52	0.00	1.52	.....
1884	0.24	0.68	2.81	1.00	9.04	2.34	6.64	3.14	0.65	1.50	0.13	0.80	29.87
1885	3.22	1.14	0.68	2.22	1.60	2.61	4.01	2.05	1.96	2.31	0.52	2.12	24.44
1886	2.50	0.65	1.62	4.84	1.96	6.39	4.72	1.13	1.18	0.12	1.05	T	26.16
1887	0.20	0.85	T	3.29	1.16	2.27	2.92	5.05	4.65	0.50	0.25	0.12	21.26
1888	0.12	0.99	1.42	3.29	6.94	1.06	2.61	1.90	0.36	1.08	0.21	0.01	19.99
1889	1.82	0.26	1.45	1.94	3.32	2.95	6.34	1.66	1.70	2.90	0.41	0.01	23.86
1890	0.54	0.40	0.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.23	0.71	1.15	2.91	4.00	2.94	4.54	2.49	1.75	1.29	0.37	0.76	24.14

BUFFALO PARK, KANS.

1885	0.10	0.64	0.41	[2.20]	1.50	1.97	6.50	2.45	2.65	2.95	[0.50]	1.15	[23.02]
1886	2.45	0.10	.....	.....	0.40	.....	.....	.....	0.55	1.05	1.15	0.12	.....
1887	0.20	0.90	0.00	1.50	[2.50]	3.08	3.80	8.50	2.00	0.11	T	[0.60]	[31.69]
1888	.....	.....	.....	.....	.....	1.40	0.66	3.85	0.83	0.00	1.33	0.25	0.15	.....
1889	.....	0.60	.....	.....	1.00	2.81	2.27	.....	.....	.....	.....	0.30	0.00	.....
Means	0.92	0.56	0.20	1.85	1.36	2.13	4.10	3.93	1.30	1.36	0.44	0.50	18.35

BELLEVILLE, KANS.

1872	[0.81]	0.50	0.90	2.40	3.59	1.58	6.62	2.03	3.30	1.47	0.00	[illegible]	[illegible]42]
1873	0.49	[0.54]	0.10	5.04	9.01	6.60	0.92	1.90	3.05	0.84	0.[illegible]	[illegible]15	[illegible]89]
1874	T	[0.54]	[1.86]	3.30	3.80	3.70	0.60	0.10	7.92	0.[illegible]	0.70	[illegible]90]	[23.92]
1875	.....	.....	.....	2.60	2.90	3.70	6.90	7.90	4.82	.....	.....	0.40	.....
1876	.....	.....	6.40	2.30	2.70	6.30	8.10	4.90	.....	.....	.....	.....	.....

Statement showing the precipitation in inches and hundredths—Continued.

BELLEVILLE, KANS. Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1877	.....	.....	.....	.....	5.20	4.80	1.60	1.60	[illegible]	.....	.....	2.70	.....
1878	2.00	0.60	1.30	1.50	1.80	2.90	.....	.....	.....	.....	.....	.....	.....
1886	.....	.....	.....	.....	.....	1.68	0.92	1.04	4.16	1.83	0.88	.....	.....
1887	[0.81]	[0.40]	0.30	1.69	6.42	5.55	0.22	0.19	2.46	0.63	[0.38]	0.60	[5.05]
1888	0.80	.....	.....	0.73	.....	5.69	.....	4.23	.....	.....	0.00	0.35	.....
1889	.....	0.65	2.13	.....	5.05	1.98	6.56	2.10	.....	.....	.....	T	.....
Means	0.82	0.58	1.86	2.44	4.19	4.01	3.60	3.22	3.72	1.05	0.38	0.77	26.97

CONCORDIA, KANS.

1885	.....	.....	.....	.....	2.63	1.12	4.90	1.43	3.53	2.46	0.61	0.43	.....
1886	0.[illegible]	[illegible].88	2.56	3.19	4.65	3.20	3.49	2.40	3.89	1.25	1.29	0.56	28.21
1887	[illegible]	[illegible].2	0.23	1.95	6.08	3.13	2.36	3.88	3.62	0.95	1.10	0.03	25.26
1888	0.[illegible]	[illegible].46	2.37	0.65	3.98	4.22	1.85	4.97	1.00	1.43	0.58	0.22	23.24
1889	1.4[illegible]	0.[illegible]0	2.25	3.48	5.65	2.46	8.29	4.90	1.90	1.90	1.62	0.01	34.47
1890	1.[illegible]	0.[illegible]2	0.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.91	0.58	1.71	2.37	4.60	2.83	4.18	3.53	2.79	1.60	1.04	0.37	26.51

WATERVILLE, KANS.

1877	.....	.....	.....	.....	.....	.....	.....	5.42	3.10	5.37	2.95	1.95	.....
1878	1.81	2.41	4.[illegible]0	2.21	[illegible].16	2.10	9.39	3.82	4.70	1.56	0.42	0.93	37.43
1879	0.02	0.26	0.00	4.24	7.15	8.79	6.24	1.97	5.14	2.04	6.82	0.03	43.90
1880	0.70	0.50	0.15	3.[illegible]9	4.62	2.05	6.82	4.70	3.85	[3.05]	[2.60]	[1.17]	[34.07]
1888	0.50	0.76	[illegible].01	1.41	6.0[illegible]	.....	.....	.....	.....	3.24	0.45	.....	.....
Means	0.92	0.99	2.09	2.81	5.24	4.51	7.48	3.9[illegible]	4.20	3.05	2.66	1.17	39.13

FORT RILEY, KANS.

1853	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.71	0.55	.....
1854	0.00	0.94	1.86	4.55	4.35	1.10	0.00	1.65	1.85	0.02	0.61	0.00	16.93
1855	0.61	0.25	0.51	0.63	3.93	5.06	2.15	4.30	6.52	0.00	1.80	0.49	26.25
1856	0.07	0.81	0.68	1.18	1.94	4.55	[illegible].40	4.00	1.10	1.99	1.96	1.93	24.84
1857	0.63	3.37	0.35	0.81	0.91	1.20	0.70	4.37	3.09	1.20	1.39	0.20	17.98
1858	1.24	0.06	1.02	3.75	3.29	5.30	4.66	4.10	1.06	4.51	0.74	0.75	31.97
1859	2.79	0.10	1.[illegible]7	0.97	5.[illegible]0	1.96	1.45	5.84	1.17	1.39	0.77	0.00	23.47
1860	0.70	2.17	0.00	0.13	1.16	3.01	1.17	1.82	2.21	0.23	2.47	0.26	15.36
1861	1.[illegible]	1.[illegible]6	[illegible].66	1.21	4.94	6.75	5.18	1.50	6.30	1.42	0.49	0.55	31.68
1862	[illegible]	[illegible]	[illegible]	1.74	2.52	1.78	2.92	1.89	2.55	1.75	1.35	1.62	20.01
1863	1.48	[illegible]	[illegible]	2.61	3.[illegible]	4.90	6.62	5.71	0.83	0.67	1.21	2.52	28.38
1864	[illegible]	[illegible]	1.[illegible]	0.[illegible]	[illegible]	1.88	2.28	2.44	2.15	0.16	1.40	0.00	[14.30]
1865	[illegible]	[illegible]	[illegible]	2.[illegible]	1.19	[illegible]	2.80	2.18	1.00	2.92	0.00	0.47	21.17
1866	1.[illegible]	[illegible]	0.[illegible]	0.77	3.64	[3.87]	[3.77]	[3.42]	7.13	0.34	0.94	2.28	[29.06]
1867	[illegible]	[illegible]	[illegible]	2.86	4.[illegible]9	[illegible].09	5.84	0.19	5.[illegible]4	0.21	[illegible]	0.06	31.25
1868	[illegible]	[illegible]	1.[illegible]	1.[illegible]0	0.79	2.68	1.49	8.63	2.18	2.28	1.70	1.11	24.33
1869	0.[illegible]	[illegible]	1.41	2.06	1.56	5.48	0.8[illegible]	3.10	3.46	0.43	1.83	2.97	31.83
1870	[illegible]	0.[illegible]	0.76	0.44	1.68	1.14	1.74	5.24	5.48	5.17	0.07	1.86	23.99
1871	1.76	[illegible].66	0.[illegible]9	3.02	4.93	1.19	7.38	4.11	0.79	0.93	4.71	0.32	32.19
1872	[illegible]	[illegible].63	1.41	1.36	4.06	2.08	7.19	4.83	6.74	2.53	0.00	0.64	31.55
1873	[illegible]	[illegible]	0.4[illegible]	1.40	4.79	7.17	2.71	0.90	1.91	0.06	0.51	0.44	22.65
1874	[illegible].14	0.[illegible]4	[illegible]	1.01	[illegible].30	4.[illegible]2	0.50	0.43	4.18	0.01	1.20	0.20	15.14
1875	[illegible]	[illegible]	0.[illegible]1	1.22	1.76	2.45	3.19	1.22	1.30	0.52	0.10	2.93	15.49
1876	0.[illegible]	[illegible].[illegible]9	[illegible].04	4.15	3.28	4.10	5.30	12.86	0.96	1.96	1.56	0.03	37.39
1877	[illegible]	0.72	[illegible]8	2.[illegible]1	4.79	5.14	4.90	3.46	1.14	5.22	1.10	1.54	32.68
1878	1.[illegible]2	[illegible].21	1.[illegible]8	1.72	4.49	5.11	8.25	2.31	2.30	0.00	0.12	0.25	[29.04]
1879	0.[illegible]0	[illegible].25	0.[illegible]0	2.[illegible]6	2.00	9.65	3.05	0.40	3.36	1.17	8.37	0.56	33.06
1880	0.[illegible]2	0.00	[illegible].51	0.58	3.45	2.[illegible]9	2.39	10.50	[illegible].95	2.99	1.86	0.10	30.24
1881	0.47	2.25	0.[illegible]3	1.61	5.07	4.99	2.41	0.76	5.27	4.[illegible]9	1.42	0.20	28.87
1882	0.13	0.45	0.10	3.49	3.20	2.72	7.86	0.16	0.42	2.23	0.60	0.08	21.44
1883	0.00	0.78	0.54	3.14	3.92	7.16	4.36	1.30	0.74	0.08	0.00	0.00	22.02
1884	0.00	[0.50]	1.51	2.14	2.00	2.96	2.62	5.47	3.40	1.76	0.50	0.20	[21.06]
1885	0.24	0.42	0.06	4.20	6.48	1.18	5.55	0.86	3.90	0.80	0.14	[0.50]	[24.33]
1886	0.58	0.30	1.05	2.68	3.10	2.98	2.46	1.38	0.32	1.74	0.80	0.62	18.01
1887	0.14	0.36	0.00	1.61	3.26	3.55	2.50	5.12	4.75	2.06	0.30	0.64	24.32
1888	0.26	1.58	1.02	1.60	1.58	4.17	3.56	5.66	2.10	0.99	0.20	0.62	23.94
1889	1.11	0.21	2.87	2.03	6.45	1.52	6.92	4.00	1.73	2.13	1.50	T	30.47
1890	2.12	0.71	0.04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.61	0.[illegible]7	0.8[illegible]	1.95	3.25	3.87	3.77	3.52	2.93	1.69	1.28	0.75	25.37

OREGON, MO.

1855	.....	.....	.....	.....	.....	.....	6.75	8.50	2.45	1.75	2.90	1.65	.....
1856	[illegible].[illegible]4	[illegible].[illegible]8	1.[illegible]5	[illegible].60	3.10	4.00	6.35	6.00	2.10	1.80	1.80	1.95	36.60
1857	1.[illegible]5	[illegible].[illegible]4	2.[illegible]6	1.05	3.05	3.50	3.20	6.10	3.30	3.25	3.05	1.15	33.40
1858	1.[illegible]7	[illegible].[illegible]5	[illegible].[illegible]4	5.46	8.35	7.00	6.65	2.10	0.95	2.50	2.05	1.55	43.15
1859	2.[illegible]0	[illegible].[illegible]8	3.[illegible]9	6.35	11.65	6.70	4.75	4.45	2.90	1.15	1.80	1.15	49.25

Statement showing the precipitation in inches and hundredths—Continued.

OREGON, MO.--Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1860	1.55	1.30	0.20	0.90	3.25	4.30	2.17	2.40	2.85	0.75	1.05	2.40	23.12
1861	5.20	1.75	1.70	1.20	7.30	7.85	3.95	3.35	3.40	3.05	1.00	1.25	41.00
1862	2.28	1.15	2.47	6.05	4.50	0.95	2.55	5.30	3.60	2.50	1.10	1.85	34.30
1863	1.00	2.21	1.10	2.93	3.48	5.55	4.00	0.75	1.70	2.00	2.30	3.85	37.47
1864	1.17	0.14	2.67	3.11	3.53	1.35	2.60	0.05	4.55	2.08	2.05	0.92	30.22
1865	0.50	3.39	1.01	6.70	2.30	0.00	5.80	7.70	2.50	1.45	0.70	1.80	43.45
1866	2.81	1.01	1.52	3.37	4.43	5.75	3.90	3.26	7.61	2.38	1.60	4.99	42.68
1867	2.08	4.89	2.95	2.48	5.84	4.10	12.24	2.95	3.20	2.10	0.40	1.40	44.63
1868	1.00	1.55	3.60	3.43	3.50	3.51	4.22	3.02	2.87	1.68	3.05	2.17	33.60
1869	2.06	2.51	1.28	3.31	4.42	7.49	5.74	0.90	3.28	1.24	1.49	1.46	41.18
1870	1.60	0.93	2.30	1.99	2.70	1.27	0.76	8.44	4.20	6.14	0.35	0.45	29.63
1871	1.27	3.11	0.56	2.14	2.13	2.30	4.50	3.40	1.13	2.42	3.16	2.42	28.54
1872	0.20	0.67	2.63	3.85	6.50	3.84	6.71	3.97	3.55	2.40	0.26	1.11	35.75
1873	2.76	0.29	0.76	4.15	3.79	3.33	2.18	2.05	3.18	0.79	1.13	3.00	27.41
1874	1.86	1.10	2.38	2.85	2.39	5.49	2.73	1.80	6.15	1.47	2.83	1.22	32.33
1875	0.55	2.25	1.80	1.31	2.14	5.13	6.45	4.98	3.58	1.42	0.18	2.51	32.30
1876	0.72	0.48	5.35	4.61	5.25	4.80	4.70	6.04	2.62	4.02	3.18	0.15	41.42
1877	1.50	1.01	2.99	7.32	5.20	5.00	2.45	5.36	[2.00]	4.54	1.88	2.09	[41.34]
1878	1.58	1.36	1.84	2.65	3.48	4.82	7.18	0.84	3.59	3.07	0.87	2.19	33.47
1879	1.26	0.48	0.52	3.30	3.09	0.95	6.98	1.70	3.11	2.49	7.81	1.37	39.06
1880	1.58	0.61	0.79	2.96	5.52	3.70	4.81	6.61	2.89	1.89	1.66	1.10	34.18
1881	1.14	5.25	2.34	2.57	6.14	5.28	1.22	2.66	4.49	6.27	3.32	1.30	41.98
1882	0.71	0.89	1.82	5.80	3.52	4.01	4.64	0.67	0.74	6.33	2.03	1.58	32.74
1883	1.70	3.34	0.72	3.31	4.79	14.94	5.05	1.59	2.15	6.50	1.08	0.84	46.91
1884	1.45	1.08	2.34	3.76	5.18	5.49	6.35	3.63	4.01	3.26	0.72	1.00	38.87
1885	1.70	1.57	0.40	5.77	1.90	4.34	2.87	0.82	3.62	5.18	0.48	0.92	29.57
1886	3.03	0.08	2.71	3.23	2.58	4.34	0.20	2.06	3.66	5.41	1.29	0.81	30.30
1887	1.42	4.48	1.48	2.15	3.96	3.08	1.65	5.31	4.97	1.85	0.95	1.91	33.21
1888	1.33	2.26	4.08	1.95	[5.14]	3.51	5.76	5.91	1.24	2.03	2.75	1.54	[37.50]
1889	1.53	1.45	0.50	1.99	6.26	3.81	4.52	[2.00]	2.13	1.35	[2.40]	0.10	[28.04]
1890	3.53	1.40	1.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.69	1.81	1.97	3.46	4.42	4.88	4.50	4.14	3.15	2.86	1.85	1.65	36.38

ATCHISON, KANS.

1866	.....	1.40	.....	.....	.....	.....	.....	.....	.....	.....	4.40	4.40	.....
1867	2.02	12.10	4.73	5.40	4.75	4.75	3.60	0.00	1.75	1.40	0.10	0.40	41.00
1868	0.73	0.25	[2.33]	7.10	9.45	5.40	3.45	6.40	7.30	8.80	8.40	2.20	[61.81]
1869	2.70	1.65	0.95	4.22	4.60	7.75	8.85	4.25	3.40	2.00	2.20	1.65	44.22
1870	0.50	[2.00]	2.15	1.75	3.30	3.05	2.05	13.10	4.20	9.20	0.65	0.73	[42.68]
1871	1.10	2.40	1.20	1.90	4.10	3.60	6.40	2.90	1.10	4.60	4.00	1.65	34.95
1872	0.20	1.25	2.20	4.75	8.90	4.00	8.20	4.80	4.10	3.80	0.02	1.87	44.09
1873	3.35	0.80	0.80	6.00	7.45	2.80	2.15	1.07	2.65	2.20	1.45	6.05	36.77
1874	2.80	1.08	3.90	3.35	2.45	8.35	1.85	3.62	6.35	1.10	3.41	[1.10]	[39.36]
1875	[0.25]	1.80	1.85	2.30	2.85	5.95	9.45	[3.60]	[2.00]	1.70	0.47	2.35	[34.57]
1876	1.36	0.10	6.41	7.64	5.80	7.00	3.45	5.35	3.25	1.60	1.89	0.08	43.93
1884	[1.60]	0.31	2.57	5.47	2.60	5.75	5.50	4.20	5.90	2.90	1.30	0.90	[39.00]
1885	1.27	0.91	0.25	5.30	3.10	5.20	3.77	4.05	4.60	3.75	1.07	1.10	34.37
1886	1.54	.....	0.95	2.22	1.72	3.05	0.12	1.76	3.07	.....	.....	.....	.....
Means	1.49	2.00	2.33	4.42	4.70	5.13	4.53	4.24	3.82	3.59	2.26	1.88	40.39

HOLTON, KANS.

1867	.....	.....	.....	.....	12.00	.....	.....	.....	.....	.....	.....	0.71	.....
1868	0.50	0.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1870	0.75	[1.60]	[2.35]	[2.93]	3.48	1.19	1.00	11.25	5.00	8.56	0.50	0.42	[39.12]
1871	1.00	1.07	1.12	2.00	3.25	4.75	7.37	2.87	1.00	3.55	3.03	0.45	31.46
1872	0.50	1.22	2.87	4.00	9.99	3.00	6.61	6.88	3.61	3.50	0.00	1.80	43.98
1873	1.60	0.50	0.70	6.00	[5.54]	3.75	1.75	1.87	1.87	1.37	1.12	5.29	[31.36]
1874	2.37	2.12	2.58	2.70	2.50	3.75	4.47	0.38	4.38	0.13	4.50	1.20	32.08
1875	0.25	2.50	2.08	1.18	3.62	4.25	6.25	6.85	1.13	1.50	0.13	2.06	31.80
1876	1.00	0.25	7.90	5.25	6.50	6.75	4.78	7.25	.....	.....	.....	.....	.....
1878	[2.00]	1.88	2.31	2.50	5.38	0.50	5.62	2.62	3.75	1.25	0.72	3.16	[37.69]
1879	1.00	0.19	0.19	3.38	2.38	8.25	3.75	0.50	3.50	1.38	7.62	0.88	33.02
1880	0.62	0.50	1.50	1.00	4.62	3.12	3.12	8.00	1.38	1.75	1.00	0.62	27.23
1881	1.12	7.50	2.50	1.25	4.38	4.50	2.00	0.50	4.50	6.50	1.50	0.88	37.13
1882	0.62	1.12	2.25	3.12	4.88	2.62	6.06	T	1.00	2.88	0.75	0.62	25.92
1883	1.81	2.38	0.40	2.75	6.38	9.12	5.38	2.63	0.88	9.38	0.38	0.50	41.99
1884	1.12	2.12	4.75	.....	.....	.....	.....	.....	.....	3.12	1.38	.....	.....
1885	3.00	.....	0.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.20	1.69	2.35	2.93	5.35	4.73	4.47	3.97	2.67	3.45	1.74	1.43	35.98

TOPEKA, KANS.

1878	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.59	1.24	1.66	.....
1879	*1.10	*0.50	0.15	5.17	3.55	5.90	3.92	0.51	1.85	2.45	7.21	2.15	34.46
1880	*1.05	0.68	1.76	1.40	3.58	5.83	3.09	9.11	3.59	3.03	1.76	0.35	35.23
1881	0.60	3.30	1.34	1.08	3.81	5.84	0.85	0.72	2.74	4.65	1.70	0.40	27.03
1882	0.57	0.62	1.19	3.43	4.49	3.88	4.02	0.54	0.70	3.02	1.37	0.70	24.53
1883	0.50	3.10	0.81	1.60	6.43	7.05	6.52	4.17	0.88	6.14	0.83	0.25	38.28

* Record incomplete.

Statement showing the precipitation in inches and hundredths—Continued.

TOPEKA, KANS.—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1884	0.65	2.88	3.19	4.38	3.51	5.18	5.37	5.30	0.88	2.37	1.23	1.62	42.62
1885	1.34	1.82	1.02	5.20	4.22	2.37	3.41	4.83	4.51	3.40	0.80	0.95	32.95
1886	1.36	0.42	1.84	1.74	3.00	4.03	1.31	3.03	1.82	2.71	0.65	0.83	22.74
1887	1.87	1.72	1.31	2.53	2.03	*9.57	1.06	5.39	4.67	3.39	1.51	0.89	35.94
1888	0.72	1.43	3.21	1.30	0.87	9.14	3.00	7.23	0.57	2.39	2.91	1.13	33.96
1889	0.63	1.84	2.03	2.89	6.08	3.08	8.11	6.48	4.28	1.34	2.15	0.05	38.96
1890	2.54	0.44	0.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.13	1.56	1.52	2.80	3.78	5.62	3.70	4.31	2.96	2.87	1.95	0.92	33.12

* Signal-service records began June 1, 1887.

LEAVENWORTH, KANS.

1870	0.62	0.00	1.85	2.17	6.16	1.95	3.12	9.21	4.60	9.85	0.70	0.65	40.94
1871	2.47	2.89	1.56	2.80	5.03	6.10	5.20	4.70	1.18	4.24	3.94	0.73	40.84
1872	0.13	0.87	1.95	3.61	7.91	4.75	9.92	0.60	4.22	2.06	0.06	1.34	43.50
1873	3.02	1.03	1.75	5.07	5.48	3.15	2.04	2.40	3.61	1.50	0.89	5.24	35.27
1874	3.14	1.49	3.05	2.80	1.60	4.96	3.23	1.74	5.50	1.49	3.46	1.35	33.81
1875	0.23	1.25	2.50	1.07	3.53	3.85	8.82	3.73	1.97	0.72	0.39	2.60	31.20
1876	1.42	0.20	5.78	7.66	6.78	5.71	4.01	3.40	3.56	2.79	2.87	0.31	44.48
1877	0.71	0.50	4.39	7.14	8.67	10.00	5.34	2.85	1.95	4.87	2.44	3.18	52.06
1878	2.34	2.94	2.35	2.86	5.28	5.27	3.08	3.31	2.64	1.16	1.76	2.16	35.15
1879	1.16	0.54	0.32	3.57	3.04	9.90	4.99	0.18	3.41	4.25	7.85	2.34	41.55
1880	2.00	1.40	2.22	1.38	5.01	1.69	6.86	7.06	2.78	3.69	2.40	0.40	36.89
1881	0.44	4.84	2.21	1.86	3.65	5.27	1.72	2.74	6.89	5.73	3.42	1.18	39.95
1882	0.83	1.17	1.15	4.15	2.53	5.00	3.44	0.83	0.95	2.86	1.87	1.13	25.97
1883	0.75	2.92	1.05	0.97	7.33	10.84	3.58	1.95	1.57	8.31	2.02	0.65	41.94
1884	0.97	1.42	3.70	4.74	4.79	3.33	9.43	4.65	5.38	3.41	1.42	1.48	44.72
1885	1.47	0.87	0.31	0.63	5.89	4.00	4.56	5.20	7.65	4.23	1.80	0.97	43.64
1886	1.60	0.61	1.35	1.47	4.71	4.93	0.55	0.73	2.75	1.80	1.10	0.65	22.25
1887	1.27	1.94	1.59	1.99	3.07	5.43	1.36	7.11	5.73	3.87	1.14	2.55	37.05
1888	0.93	1.24	4.55	2.32	7.70	7.77	4.87	9.32	0.84	2.60	3.50	1.57	47.21
1889	1.06	2.56	1.32	2.80	9.90	3.01	3.02	7.09	5.73	1.59	2.77	0.08	40.93
1890	1.27	0.54	1.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.33	1.49	2.19	3.38	5.40	5.35	4.40	4.24	3.65	3.55	2.30	1.53	38.87

WALLACE AND FORT WALLACE, KANS.

1870	0.17	0.00	0.00	1.87	0.54	0.80	4.32	1.14	3.18	2.87	0.00	0.13	15.02
1871	0.03	0.08	0.08	3.51	2.76	3.07	2.05	1.67	2.40	[1.00]	0.40	[0.30]	[17.35]
1872	1.22	[0.30]	[0.00]	2.55	4.19	1.00	5.45	1.31	0.25	2.05	[0.00]	[0.30]	[18.62]
1873	0.03	0.03	0.00	0.30	2.92	0.10	1.58	1.26	0.21	0.30	0.01	0.07	6.81
1874	0.09	0.68	0.20	0.50	3.31	0.19	1.00	0.13	4.32	1.92	0.66	0.58	13.58
1875	[0.15]	0.51	*0.53	1.53	2.72	0.64	5.14	1.79	2.61	0.24	0.20	0.07	[16.13]
1876	0.25	0.15	1.09	1.00	9.51	0.26	1.36	1.69	0.15	0.22	0.94	0.36	16.98
1877	0.41	0.61	0.53	2.05	2.57	1.86	0.07	1.52	1.30	1.09	0.06	2.15	14.22
1878	0.80	0.13	1.48	0.44	1.65	6.42	3.20	1.00	2.53	0.28	1.25	0.76	20.00
1879	0.45	0.36	0.00	0.75	2.44	1.08	7.01	2.24	0.97	0.00	1.26	0.02	16.58
1880	0.01	0.00	0.02	0.65	5.59	8.94	12.59	2.75	1.37	1.96	0.10	0.02	34.00
1881	0.19	0.45	0.42	0.45	0.62	0.69	1.13	1.50	2.50	0.35	[0.75]	0.01	[9.12]
1882	0.20	1.00	0.00	1.11	.....	.....	.....	.....	.....	.....	.....	.....	.....
1885	0.06	0.70	0.12	2.42	3.14	5.58	2.30	2.38	1.32	1.02	0.80	1.17	21.01
1886	0.06	.....	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	.....	.....	2.51	4.42	1.46	0.64	0.07	0.21	.....
1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.01	.....
1889	0.51	0.23	1.72	1.29	1.27	3.40	2.17	2.50	0.05	1.26	0.15	0.00	14.55
1890	0.06	0.17	0.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	0.28	0.34	0.37	1.36	3.09	2.43	3.47	1.82	1.64	1.01	0.44	0.40	16.65

* Incomplete.

Appendix No. 3.

MEAN MONTHLY AND ANNUAL TEMPERATURE FOR SIX STATIONS IN SOUTH DAKOTA, ONE IN MINNESOTA, SIX IN IOWA, ONE IN MISSOURI, TEN IN KANSAS, FOUR IN COLORADO, TWO IN WYOMING AND EIGHTY-THREE IN NEBRASKA.

The remarks on Appendix No. 2, with reference to interpolated values, apply also to the bracketed figures in the temperature tables.

NOTE.—Temperature and rain-fall data for the year 1887 from Ashland, De Witt, Dawson, Falls City, Minden, Mission Creek, Ogallala, Nebraska City, Ravenna, Red Willow, Sargent, Stromsburgh, Syracuse, Weeping Water, West Hill, and York, Nebr., were not compiled in time to be used in the preparation of Charts Nos. 6 to 10, inclusive.

RAPID CITY, S. DAK.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1881	.....	.....	35.1	46.2	59.7	67.4	73.6	73.6	58.8	46.3	33.8	32.9	.....
1882	24.9	33.0	36.8	40.4	50.6	62.8	69.6	72.7	63.1	50.5	31.7	26.4	46.9
1883	12.9	16.4	35.3	41.0	47.9	58.1	.....	.....	.....	.....	.....	.....	.....
1888	10.7	28.5	24.9	49.6	49.4	63.9	71.2	69.2	61.8	44.4	31.0	29.0	44.2
1889	22.8	21.0	39.8	49.8	52.2	64.6	69.3	72.0	58.2	51.4	32.8	35.2	47.4
1890	12.8	22.5	33.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	16.8	24.3	34.2	45.5	52.0	63.4	70.9	71.1	60.5	48.2	32.3	30.9	45.8

FORT HALE, S. DAK.

1879	13.4	15.8	36.1	51.0	61.6	70.2	71.8	73.8	61.6	57.1	31.5	3.8	45.6
1880	24.5	24.8	20.3	46.3	65.9	69.6	76.5	73.1	60.7	45.5	21.6	10.1	45.4
1881	0.7	11.6	21.3	41.3	66.3	71.7	76.0	76.3	58.7	46.8	30.2	28.6	44.1
1882	19.5	26.8	32.7	46.6	55.1	68.6	71.3	74.7	65.5	50.4	32.3	19.2	46.9
1883	3.8	12.0	27.9	45.5	52.0	67.8	70.0	69.9	59.5	43.0	31.8	20.1	41.9
1884	11.5	6.8	27.6	43.1	[m 56.7]	.....	.....	.....	.....	.....	.....	.....	.....
Means	12.2	16.3	28.6	45.6	59.6	69.6	73.1	73.6	61.2	48.6	29.5	16.4	44.5

NEW ULM, MINN.

1864	12.1	23.0	26.8	44.4	60.8	72.2	76.5	73.2	61.7	46.8	31.8	9.0	44.9
1865	12.9	21.6	23.0	43.0	60.8	71.2	70.6	72.4	70.6	50.6	39.3	11.4	45.6
1866	12.2	17.0	20.4	45.2	59.6	68.3	78.4	67.7	57.2	51.2	35.4	18.8	43.8
1867	10.0	14.8	13.9	40.2	50.8	69.8	73.0	73.9	63.5	50.0	36.8	16.6	42.8
1868	3.4	13.5	33.9	39.5	61.0	69.4	79.4	69.6	56.3	46.4	32.1	15.9	41.4
1869	17.2	16.9	19.5	42.1	58.6	64.4	70.5	71.2	61.4	39.1	28.4	20.9	42.5
1870	11.0	14.8	22.2	50.0	63.8	71.7	74.7	66.7	65.3	48.3	38.8	20.2	45.6
1871	12.5	19.7	31.7	48.2	64.1	69.1	71.8	71.6	61.2	49.8	25.6	9.6	44.6
1872	14.0	19.4	21.2	47.2	59.1	71.0	73.8	73.9	61.8	51.2	25.5	7.7	43.8
1873	6.5	13.0	27.4	43.7	57.2	75.6	74.8	74.8	57.8	44.0	30.1	19.0	43.7
1874	13.5	12.3	26.6	41.4	66.0	71.7	78.7	74.3	62.6	50.4	30.0	19.9	45.6
1875	1.3	0.1	23.5	41.0	60.8	65.4	74.6	70.0	61.4	45.0	26.5	25.7	41.3
1876	16.0	16.0	22.4	47.4	62.2	69.6	76.0	73.0	59.5	45.0	27.8	5.8	43.4
1877	8.0	32.0	22.0	47.0	62.7	66.0	76.1	74.1	65.6	47.7	31.0	32.8	47.1
1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.0	21.1	12.3	.....
1881	6.6	14.2	25.0	40.7	66.6	72.1	.....	.....	.....	.....	.....	.....	.....
1882	.....	.....	32.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.7	.....	.....	.....
Means	10.5	16.2	24.5	44.1	60.9	69.8	74.9	71.9	61.8	47.2	30.7	16.4	44.1

FORT RANDALL, S. DAK.

1856	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31.0	8.9	.....
1857	3.4	14.8	28.2	33.8	54.4	68.4	76.4	73.4	63.4	48.9	31.3	28.1	43.7
1858	28.1	11.3	41.8	46.6	55.4	74.1	77.6	73.0	63.9	46.4	30.0	19.8	47.3
1859	22.9	20.7	33.9	40.0	61.6	70.6	82.3	73.3	62.3	49.5	32.7	11.5	46.8
1860	23.4	29.2	43.8	50.5	63.6	69.0	74.5	73.6	60.5	53.0	32.9	15.7	49.1

Statement showing mean monthly and annual temperatures—Continued.

FORT RANDALL, S. DAK.—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1861	11.5	25.9	30.0	48.8	57.9	74.2	77.9	74.2	61.6	49.1	32.3	26.3	47.6
1862	8.9	14.4	27.5	39.1	62.5	72.5	78.0	74.2	64.5	50.7	34.4	30.9	46.5
1863	23.0	21.0	35.4	50.9	65.9	69.9	75.1	76.8	65.1	41.2	34.8	18.0	48.0
1864	19.5	32.9	31.9	46.4	64.0	76.7	81.3	78.2	66.3	57.3	34.9	15.6	50.4
1865	20.2	28.1	26.2	45.0	63.7	.....	.....	.....	75.0	.....	.....	.....	.....
1866	.....	.....	.....	.....	.....	.....	.....	.....	57.7	51.8	36.9	22.2	.....
1867	15.7	17.4	9.9	46.4	55.4	70.7	76.6	77.5	64.4	53.5	39.6	26.7	46.2
1868	8.9	22.3	38.4	43.9	62.8	70.6	81.5	72.7	56.8	50.4	34.3	24.1	47.2
1869	29.2	26.5	33.0	46.0	61.9	67.8	75.1	72.5	62.1	42.4	32.8	20.7	47.9
1870	19.4	29.4	24.8	51.2	67.3	75.0	81.5	70.6	64.5	49.7	43.0	23.4	50.0
1871	22.2	28.4	38.1	48.1	[64.0]	76.1	76.2	74.3	66.5	51.4	26.4	14.8	[48.9]
1872	17.1	26.8	28.9	50.2	01.5	73.0	75.3	75.6	65.0	57.7	27.0	15.8	47.9
1873	18.0	24.4	37.2	42.2	55.8	75.7	75.2	77.2	60.2	47.1	36.5	19.5	47.4
1874	18.4	22.1	31.6	44.6	67.7	74.7	80.9	77.5	04.7	50.7	32.1	26.0	49.2
1875	2.9	6.2	25.8	42.6	62.2	67.1	72.6	70.3	62.8	50.1	28.6	30.2	43.4
1876	21.1	23.7	22.0	49.0	02.7	68.1	75.1	74.6	59.5	47.0	30.0	10.3	45.8
1877	14.8	35.3	29.2	48.0	50.6	66.5	75.1	73.2	66.3	40.9	33.2	30.0	48.2
1878	24.3	33.4	44.8	51.0	54.8	07.6	76.7	74.8	61.7	40.0	40.3	17.6	49.7
1879	18.2	19.3	38.2	52.8	64.5	71.4	73.5	74.5	62.7	59.8	33.3	7.0	48.0
1880	28.9	27.3	30.8	48.0	07.5	70.5	75.6	74.8	63.1	47.6	22.8	3.5	46.7
1881	4.5	14.0	22.9	41.4	65.8	71.8	70.5	79.9	61.3	48.8	33.0	31.6	40.0
1882	23.3	29.5	35.9	48.5	56.4	69.6	70.5	73.6	65.0	53.2	34.2	21.1	48.4
1883	0.9	17.9	31.6	49.2	54.8	69.6	73.1	72.2	60.2	46.1	35.8	24.9	45.2
1884	14.0	8.5	29.8	45.7	61.0	73.1	72.6	70.8	65.3	54.4	35.5	11.6	45.2
1885	9.4	13.5	34.6	50.1	50.9	69.2	76.5	07.9	63.8	48.4	30.8	29.4	46.6
1886	8.0	26.5	30.0	49.5	64.7	69.5	79.8	75.7	63.0	55.4	32.3	17.0	47.7
1887	10.0	23.1	34.2	50.9	65.1	76.0	75.0	68.2	01.3	46.2	34.9	15.4	46.7
1888	6.0	22.9	27.5	51.4	[54.3]	[71.3]	[79.1]	70.0	60.9	47.0	35.2	27.7	[46.1]
1889	20.4	19.0	41.9	55.1	61.0	70.8	74.9	70.0	60.5	51.0	31.2	35.1	49.2
1800	12.8	21.3	30.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	16.2	22.3	31.8	47.1	61.2	71.3	76.5	73.7	63.1	50.9	33.4	21.0	47.3

PARKSTON, S. DAK.

1887	[7.0]	6.4	30.5	48.8	62.0	70.1	74.3	70.4	63.4	45.3	32.8	14.2	[43.8]
1888	3.2	19.5	23.3	47.2	52.1	67.6	76.0	[66.0]	[56.0]	[42.0]	31.9	24.0	[42.5]
1889	16.5	14.5	35.4	[46.0]	[51.0]	64.8	68.4	60.5	54.6	43.7	24.3	32.2	[43.4]
1890	9.2	18.3	25.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	9.0	14.7	28.6	47.3	55.3	67.5	73.2	68.6	58.0	43.7	29.7	23.5	43.3

OLIVET, S. DAK.

1877	.....	.....	.....	.....	.....	65.5	70.8	70.0	63.4	45.7	30.1	30.0	.....
1878	20.6	31.2	42.1	49.0	54.7	67.3	76.2	74.1	60.0	47.0	37.0	13.1	47.7
1879	14.3	17.9	35.5	50.4	62.8	68.7	75.6	71.8	61.1	55.4	31.3	7.2	46.0
1880	25.9	23.9	28.8	46.2	65.8	71.1	72.9	72.4	60.3	43.9	21.1	10.7	45.2
1881	2.0	10.8	19.9	37.7	64.2	70.6	74.9	76.1	58.8	47.3	29.8	28.6	43.4
1882	c18.4	25.1	32.0	47.3	54.5	68.9	68.8	72.4	63.0	50.9	31.1	[15.0]	[45.0]
Means	16.2	21.8	31.7	46.1	60.4	68.7	73.2	72.9	61.1	46.4	30.1	17.4	45.5

FORT LARAMIE, WYO.

1849	.....	.....	.....	.....	.....	.....	.....	.....	62.0	43.5	37.3	23.9	.....
1850	27.4	36.3	35.5	43.2	56.0	66.9	72.9	73.5	67.1	54.6	35.0	26.6	49.6
1851	35.6	31.2	41.3	47.4	55.2	67.2	77.4	72.7	69.3	51.6	33.2	24.7	50.5
1852	30.7	33.0	30.0	42.8	57.1	67.2	75.0	73.1	58.8	49.6	25.2	19.9	46.9
1853	34.1	29.7	36.9	48.6	51.6	65.6	73.0	73.1	61.1	49.7	41.7	33.7	49.9
1854	22.6	36.4	41.1	50.6	56.9	67.7	75.2	76.5	67.0	56.6	42.4	38.9	52.7
1855	35.8	29.0	36.4	52.9	59.8	69.4	72.5	72.9	69.0	55.0	40.3	21.7	51.2
1856	19.1	30.3	30.1	53.1	60.9	74.9	76.6	72.0	59.3	50.8	31.6	22.7	49.2
1857	24.9	32.0	40.9	40.8	53.7	65.6	75.6	73.5	64.7	55.4	33.6	30.2	49.3
1858	32.0	27.9	41.4	49.5	50.9	70.1	72.9	70.7	60.4	45.6	33.8	26.0	48.5
1859	29.6	33.1	37.1	42.5	56.0	72.9	79.9	73.0	56.7	54.4	34.5	22.0	49.3
1860	35.1	38.0	40.8	45.8	53.6	62.4	76.1	69.9	58.4	49.4	34.1	33.2	49.7
1861	28.5	35.9	42.0	46.5	55.3	63.3	76.0	81.4	54.5	45.0	41.0	40.9	50.9
1862	19.0	24.4	36.7	45.1	59.5	70.8	78.3	75.1	62.4	50.7	39.1	34.6	49.7
1863	30.7	33.4	43.1	52.3	51.9	71.1	76.7	74.0	64.0	44.3	35.9	28.5	50.5
1864	27.3	34.3	38.2	43.9	58.5	71.2	78.4	79.5	65.1	47.5	30.9	26.7	50.6
1865	22.5	28.4	33.1	.....	67.3	.....	.....	.....	.....	.....	.....	.....	.....
1868	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.2	40.0	29.8	.....
1869	25.8	22.7	28.9	40.5	54.1	62.9	74.6	72.4	55.1	40.4	34.1	26.3	44.8
1870	27.7	34.6	29.5	50.9	56.2	68.2	75.8	64.5	58.2	44.3	41.6	22.6	47.8
1871	28.2	30.9	38.5	43.2	59.7	74.0	77.4	73.8	62.4	46.9	26.6	25.1	48.9
1872	26.2	33.5	38.3	41.6	56.2	65.7	68.2	69.3	59.7	48.3	26.3	19.1	46.3
1873	21.9	20.4	35.4	37.7	50.8	72.5	72.7	71.8	56.2	41.0	35.4	17.0	44.5
1874	28.7	24.8	30.9	42.0	59.2	66.9	76.8	73.1	57.1	49.5	33.3	29.1	47.6
1875	3.6	23.5	27.7	37.5	56.8	[70.0]	[74.0]	09.0	61.7	52.5	c32.2	35.7	[45.4]
1876	g22.6	34.9	30.2	48.4	56.2	64.6	76.9	75.6	[65.0]	45.9	33.4	f14.6	[47.4]

Statement showing mean temperatures—Continued.

FORT LARAMIE, WYO.—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1877	b 22.5	32.5	38.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880	17.9	35.6	32.9	.....	61.4	.....	.....	.....	.....	49.8	[28.6	26.4	.....
1887	27.7	20.4	43.4	40.0	58.8	09.2	73.0	68.7	01.8	45.4	35.4	25.2	48.0
1888	19.8	35.3	30.0	51.0	52.4	66.8	75.6	66.1	62.6	50.6	33.0	30.4	47.9
1889	23.6	25.0	42.0	51.3	54.2	65.4	72.1	70.8	57.2	50.1	30.8	37.5	48.3
Means	26.0	30.0	30.6	40.0	50.4	68.2	75.1	72.5	03.7	49.1	34.7	27.3	48.8

FORT ROBINSON, NEBR.

1883	.....	.....	.....	.....	.....	.....	72.0	71.1	59.5	41.4	38.3	30.8	.....
1884	23.0	18.0	32.2	41.6	57.2	71.6	73.6	70.0	62.8	53.6	37.5	12.4	46.1
1885	19.4	22.6	37.3	47.0	55.9	66.2	73.6	70.7	62.7	49.4	40.7	32.7	48.3
1886	10.2	33.7	33.4	46.6	60.4	67.7	78.1	74.3	56.1	49.8	31.8	24.6	48.2
1887	21.2	18.4	41.2	49.1	01.0	71.7	71.2	68.3	63.4	44.9	33.7	24.3	47.4
1888	16.8	31.6	28.4	52.8	51.9	[67.0]	72.8	64.7	61.2	48.4	30.7	35.3	[47.3]
1889	26.2	27.1	43.4	50.3	53.4	04.0	70.5	70.8	58.3	51.9	32.4	38.0	48.9
1890	15.7	27.5	30.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	19.8	25.0	36.1	47.9	57.6	68.1	73.1	70.0	60.6	48.5	35.9	27.0	47.5

CAMP SHERIDAN, NEBR.

1876	.....	.....	.....	.....	.....	.....	78.1	74.8	00.5	49.8	33.9	23.5	.....
1877	22.3	35.2	33.0	41.9	56.2	65.0	78.2	76.0	65.5	44.8	32.6	30.4	48.4
1878	25.7	34.5	41.0	48.0	51.5	66.4	75.1	73.1	58.4	46.7	38.4	17.9	48.2
1879	21.0	23.4	39.5	51.1	59.5	67.7	74.0	71.9	59.2	50.0	32.4	13.9	47.0
1880	31.0	25.4	28.7	44.9	60.9	64.3	73.8	70.1	58.4	39.5	17.0	15.3	44.1
1881	12.4	19.3	29.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	22.5	27.6	34.5	46.6	57.0	65.8	75.8	73.2	60.4	46.3	30.9	20.2	46.7

HAY SPRINGS, NEBR.

1886	10.4	22.2	27.9	40.6	59.3	63.9	74.8	68.9	57.8	47.2	26.3	19.9	43.8
1887	17.1	14.2	37.1	44.5	56.5	66.3	70.7	64.8	58.9	40.4	28 9	18.4	43.2
1888	8.9	27.9	25.3	47.7	48.9	67.0	71.2	64.8	59.7	44.0	30.1	28.2	43.6
1889	20.7	18.6	37.3	47.3	52.1	64.1	70.2	70.3	54.6	40.9	28.0	32.0	45.2
1890	11.9	23.0	33.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	13.8	22.6	32.2	45.0	54.2	65.3	71.7	67.2	57.8	44.6	28.3	24.6	43.9

VALENTINE, NEBR.

1885	.....	.....	.....	.....	.....	.....	.....	.....	59.8	46.4	37.3	28.8	.....
1886	7.1	27.0	26.7	43.8	61.0	65.1	75.7	71.9	59.6	52.0	29.9	19.2	44.9
1887	15.0	12.8	35.8	47.1	61.1	69.5	72.3	67.3	61.6	44.6	33.9	20.0	45.1
1888	8.7	27.7	24.8	50.0	50.9	67.8	74.4	67.6	60.9	[43.0]	40.6	34.2	[44.6]
1889	24.6	24.8	44.0	51.8	54.6	65.0	71.6	73.0	58.4	49.8	31.5	35 6	48.8
1890	11.0	33.0	32.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	13.3	23.1	32.7	47.2	56.9	66.5	73.5	70.0	60.1	47.2	34.6	27.6	45.8

FORT NIOBRARA, NEBR.

1880	.....	.....	.....	.....	.....	.....	.....	74.9	61.4	46.9	20.8	14.5	.....
1881	9.2	18.2	28.5	.....	64.9	.....	.....	78.3	60.3	.....	.....	.....	.....
1882	8.4	[27.0]	37.5	44.9	51.0	66.2	70.3	73.5	63.9	52.5	33.0	19.4	[45.6]
1883	[6 0]	12.9	32.3	46.3	52.0	69.8	72.0	71.4	62.1	41.9	38.3	26.2	[44.3]
1884	14.8	12.0	28.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	0.2	28.4	29.5	46.0	64.9	69.4	80.5	75.8	61.8	52.5	29.6	19.1	47.22
1887	14.6	15.0	37.0	49.5	64.6	72.5	76.6	67.7	63.1	48.2	34.3	19.6	46.72
1888	8.2	27.4	25.6	51.9	52.6	70 8	70.0	69.4	59.1	48.6	28.7	21.3	44.97
1889	15.4	19.6	39.0	48.9	51.6	64.8	71.2	75.6	58.0	51.6	28.1	31.6	46.28
1890	8.0	19.8	29.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	10.4	19.8	31.9	47.9	57.4	68.9	74.4	73.3	61.2	48.9	30.4	21.7	45.5

Statement showing mean temperatures—Continued.

KENNEDY, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1889	[19.0]	f20.7	39.5	49.8	55.9	67.2	71.0	72.7	58.9	56.5	36.1	39.1	[48.4]
1896	15.8	26.2	34.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.4	23.4	37.6	49.8	55.9	67.2	71.0	72.7	58.9	56.5	36.1	39.1	48.2

BINGHAM, NEBR.

1889	.....	.....	.....	.....	.....	.....	c70.4	71.7	56.6	.....	f28.4	32.1	.....
1890	15.2	22.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

RICHMOND, NEBR.

1875	.....	.....	.....	47.9	63.8	72.2	76.6	70.4	63.3	51.6	32.2	33.8	.....
1876	24.1	33.0	27.9	51.8	66.7	68.8	81.7	77.7	62.0	.....	.....	.....	.....
Means	24.1	33.0	27.9	49.8	62.2	76.5	75.8	74.0	62.6	51.6	32.2	33.8	49.8

YANKTON, S. DAK.

1873	.....	.....	.....	39.8	54.6	72.8	74.5	76.8	60.5	46.5	36.4	19.6	.....
1874	17.7	18.8	30.8	44.1	63.8	70.7	77.8	72.9	61.2	49.3	30.5	23.6	46.7
1875	0.5	2.5	23.3	40.7	61.4	66.3	70.4	68.1	60.3	47.2	26.1	27.7	41.2
1876	19.5	21.3	20.0	46.3	60.7	65.8	73.2	71.8	58.7	45.2	27.2	12.5	43.5
1877	13.6	33.7	26.6	45.4	58.6	64.6	72.6	70.2	64.4	46.9	31.6	32.5	46.7
1878	22.6	33.6	43.5	50.0	53.7	66.0	74.9	72.9	59.8	47.8	38.9	15.5	48.2
1879	15.6	19.3	36.4	50.2	63.4	69.3	75.0	72.6	66.4	58.9	34.7	12.0	47.3
1880	28.9	21.5	36.9	46.7	66.1	70.1	74.7	73.0	61.6	46.0	23.5	14.7	46.5
1881	6.4	14.0	22.5	38.6	65.4	71.6	75.6	76.8	66.1	48.8	32.4	32.8	45.4
1882	23.4	29.2	34.4	47.6	54.5	68.0	69.4	72.1	63.8	53.0	34.9	18.8	47.4
1883	7.4	17.2	29.5	47.6	52.7	67.6	71.9	70.6	59.0	46.0	34.8	24.1	44.6
1884	13.5	12.1	29.9	43.5	59.6	71.7	71.0	69.0	64.3	53.9	34.5	11.8	44.6
1885	9.6	13.2	33.2	47.2	57.4	67.2	73.1	65.7	62.4	46.8	34.8	27.2	44.7
1886	5.6	22.9	28.1	47.6	62.3	67.8	76.0	73.4	61.9	55.3	30.7	14.0	45.4
1887	7.8	11.3	34.4	50.9	63.5	70.8	74.4	68.9	62.6	46.8	35.3	17.2	45.3
1888	4.6	21.7	23.5	48.2	52.3	68.6	76.4	70.6	62.7	48.6	30.2	29.1	45.2
1889	20.0	18.4	39.2	52.4	59.5	69.6	73.2	73.4	60.7	56.4	32.4	34.4	48.6
1890	11.4	21.0	28.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	13.3	19.5	30.3	46.3	59.3	68.7	73.7	71.7	61.3	49.3	32.6	21.6	45.7

SANTEE INDIAN AGENCY, NEBR.

1871	.....	.....	.....	.....	65.6	73.0	73.6	72.0	61.7	49.6	31.3	15.0	.....
1872	18.0	26.3	28.8	48.3	66.3	71.5	75.6	73.7	61.7	51.7	25.5	13.2	46.2
1873	13.1	19.4	33.4	40.7	54.4	74.3	74.6	75.6	57.6	44.5	33.5	18.7	44.9
1874	17.2	19.1	29.9	44.7	66.0	73.9	80.6	76.4	62.7	56.3	36.7	24.6	48.9
1875	1.9	4.8	25.0	41.6	62.1	68.1	73.2	69.5	62.6	.....	.....	.....	.....
Means	12.6	17.4	29.3	43.8	61.7	72.2	75.4	73.4	61.6	49.6	30.2	17.9	45.3

CREIGHTON, NEBR.

1886	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.1	.....
1888	5.7	21.8	21.6	[51.6]	53.5	[72.6]	83.5f	73.2	61.5	46.2	31.6	25.1	[45.6]
1889	18.5	16.9	34.9	49.2	56.4	67.2	71.6	70.4	57.5	45.2	28.3	31.1	45.6
1890	12.6	21.4	27.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	12.1	20.6	28.0	50.1	55.0	69.6	77.2	71.8	59.5	45.7	30.0	23.4	45.2

OAKDALE, NEBR.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.5	.....
1889	19.6	16.9	37.8	50.7	57.7	68.1	71.5	71.4	57.3	[42.6]	28.2	32.0	[46.1]
1890	10.9	.....	29.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.2	16.9	33.8	50.7	57.7	68.1	71.5	71.4	57.3	42.0	28.2	29.2	45.2

Statement showing mean temperatures—Continued.

NEWCASTLE, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1870	.....	.....	.....	.....	.....	70.8	78.2	68.2	62.5	.....	36.0	29.2	.....
1871	21.6	26.2	40.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	21.6	26.2	40.0	.....	.....	70.8	78.2	68.2	62.5	.....	36.0	29.2	.....

SIOUX CITY, IOWA.

1857	.....	.....	.....	.....	.....	.....	.....	70.9	*65.8	.....	27.0	28.0	.....
1858	27.5	13.0	41.4	43.7	54.1	70.6	72.6	70.4	62.2	48.7	27.4	19.2	46.0
1859	21.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861	8.9	19.0	27.9	47.4	55.2	69.0	70.1	71.0	60.0	40.8	31.2	21.7	44.1
1862	0.8	17.1	33.2	37.6	59.2	67.9	73.0	69.2	61.7	46.9	31.2	27.7	44.3
1863	21.6	18.0	31.7	.....	.....	.....	.....	.....	.....	.....	.....	21.9	.....
1864	14.8	28.3	30.6	45.1	60.6	.....	.....	.....	.....	.....	.....	.....	.....
1878	28.9	39.0	51.4	58.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	.....	.....	75.4	71.0	58.4	47.0	29.9	33.0	.....
1890	13.5	20.8	27.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.9	22.4	34.8	46.5	57.3	69.4	72.8	70.5	61.6	47.4	29.3	25.2	46.3

*First 20 days.

DAKOTA CITY, NEBR.

1867	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.5	30.1	24.7	.....
1868	10.3	22.3	40.0	43.8	63.6	.....	.....	.....	.....	49.7	33.6	20.1	.....
1869	23.9	26.4	31.1	45.7	63.1	68.2	74.3	74.0	.....	.....	.....	.....	.....
Means	17.1	24.4	35.6	44.8	63.4	68.2	74.3	74.0	.....	50.0	36.4	22.4	.....

OMAHA AGENCY, NEBR.

1868	14.6	25.3	42.8	45.5	64.7	72.0	82.5	69.8	58.4	50.7	37.4	23.5	48.9
1869	27.6	27.2	32.8	47.7	62.3	66.8	73.4	74.8	63.2	46.6	34.6	28.2	48.8
1870	22.4	31.0	27.5	52.5	65.0	72.6	78.7	69.8	66.5	53.7	44.3	27.1	50.9
1871	24.3	31.0	41.4	54.2	65.5	74.1	75.2	72.1	62.2	51.2	30.5	18.0	50.2
1872	29.8	28.5	32.1	51.8	62.2	72.6	75.7	74.3	64.0	55.2	32.2	18.2	49.7
1873	16.0	20.4	36.8	44.8	59.2	74.3	75.1	75.6	60.2	48.4	38.3	.....	.....
Means	22.4	28.2	35.6	49.4	63.2	72.1	76.8	72.7	62.4	51.5	36.2	23.0	49.5

SMITHLAND, IOWA

1878	.....	.....	.....	.....	62.8	73.7	82.2	81.3	70.5	56.8	50.0	22.2	.....
1879	22.7	26.3	43.2	58.4	71.4	75.6	83.2	79.7	j68.3	p55.7	41.7	18.2	53.7
1881	13.0	21.0	29.0	48.0	.....	.....	.....	88.0	70.0	57.0	37.0	36.0	.....
1882	27.0	34.0	41.0	55.0	[64.5]	76.0	76.0	81.0	[70.0]	59.0	42.0	26.0	.....
1883	9.0	22.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	12.0	31.0	38.0	59.0	73.0	77.0	87.0	.....	.....	69.0	42.0	23.0	.....
Means	16.7	26.9	37.8	55.1	67.9	75.6	82.1	82.5	69.7	59.5	42.5	25.1	53.4

SAC CITY, IOWA.

1870	.....	.....	.....	49.6	63.8	.....	.....	.....	.....	48.5	39.1	22.0	.....
1871	18.3	23.2	35.0	49.3	62.9	69.6	71.8	70.2	57.0	50.4	26.0	11.8	45.5
1872	13.0	21.7	22.7	44.3	57.3	68.7	77.7	.....	.....	.....	.....	.....	.....
1881	8.1	18.2	28.1	46.7	72.5	76.6	83.1	86.1	69.3	56.0	34.9	35.1	51.2
1882	23.5	33.8	36.9	55.0	60.0	74.0	74.9	.....	.....	.....	.....	22.7	.....
1886	8.3	25.4	36.0	57.1	.....	80.1	91.5[	82.2	70.3	66.7	36.4	17.0	.....
1888	1.8	18.4	23.7	47.1	50.3	66.1	74.3	67.2	56.9	45.7	32.3	26.4	42.5
1889	18.7	15.8	36.6	48.0	57.3	65.4	69.6	69.0	55.9	44.9	29.7	33.0	45.3
1890	12.6	20.9	23.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	13.0	22.2	30.3	49.6	60.6	71.5	77.6	74.9	61.9	52.0	33.1	24.0	47.6

Statement showing mean temperatures—Continued.

VAIL, IOWA.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1875	.....	7.0	26.4	.....	62.0	69.7	.....	.....	.....	.....	.....	.....	.....
1876	.....	.....	.....	.....	.....	.....	.....	.....	59.0	45.6	27.6	.....	.....
1877	12.4	31.2	27.5	46.6	59.1	66.3	73.6	71.8	65.1	47.2	30.4	33.0	47.1
1878	23.5	31.8	43.2	50.6	67.2	77.0	77.0	74.4	61.7	40.9	33.8	15.2	50.2
1879	14.0	20.7	36.0	49.6	64.6?	70.5?	76.8	72.9	59.4	50.7	[36.0]	12.9	[47.5]
1880	20.2	25.2	32.2	47.6	67.8	71.6	74.0	73.0	60.0	44.8	21.3	13.9	46.7
1881	6.2	14.3	23.4	39.8	65.1	73.9	.....	.....	.....	.....	.....	.....	.....
Means	17.1	21.7	31.4	40.8	64.3	71.5	75.4	73.0	61.0	48.1	29.8	18.9	46.6

CHEYENNE, WYO.

1876	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38.2	20.4	.....
1871	31.3	29.0	34.2	39.7	54.1	65.7	68.6	65.4	57.4	44.8	29.3	27.8	45.6
1872	23.6	32.0	32.2	38.9	51.2	60.9	63.1	63.5	54.8	43.2	29.5	24.2	43.1
1873	25.8	25.8	39.6	33.9	47.8	64.6	67.9	67.7	55.2	41.4	30.8	28.1	44.8
1874	30.0	24.2	29.4	38.7	55.9	63.9	70.2	67.6	53.5	46.7	36.8	29.0	45.5
1875	13.2	26.3	25.7	30.5	53.3	62.7	62.9	62.4	55.7	48.3	28.9	34.2	42.5
1876	25.3	31.4	27.0	41.6	56.0	59.8	70.5	64.8	56.6	47.0	33.8	23.6	44.3
1877	25.6	32.5	36.4	37.9	49.5	58.2	68.5	65.9	50.2	40.1	30.3	29.8	44.2
1878	25.9	31.2	37.7	42.4	47.2	57.7	68.8	67.2	51.8	42.8	37.2	20.4	44.2
1879	24.6	31.7	39.2	43.6	55.6	63.0	69.0	64.7	57.7	46.2	36.3	26.2	46.5
1880	31.1	24.4	27.6	40.4	52.1	60.2	65.3	63.6	56.3	43.2	23.1	27.8	42.9
1881	23.6	28.7	33.4	45.6	52.7	65.7	69.7	68.0	53.5	43.9	31.6	33.8	45.8
1882	25.3	30.7	34.6	40.3	45.7	59.2	64.1	65.6	56.1	43.7	32.6	29.6	43.9
1883	21.0	18.9	37.5	37.1	46.3	57.5	64.0	63.9	55.3	39.3	38.2	20.6	42.4
1884	23.6	23.7	30.8	36.2	49.6	61.1	65.6	61.1	56.5	47.6	36.2	18.8	42.0
1885	23.6	21.6	33.7	40.7	46.7	57.6	65.7	62.2	55.7	45.7	39.0	33.3	44.0
1886	21.6	33.4	29.6	38.4	55.2	59.3	69.2	66.3	55.8	47.8	[30.7]	[28.1]	[44.6]
1887	[24.7]	[21.1]	40.2	42.9	53.6	64.2	65.2	62.9	58.6	43.1	38.6	20.6	[45.1]
1888	24.6	32.9	29.3	47.8	47.6	63.3	69.2	63.2	58.6	45.8	33.1	34.6	45.7
1889	24.7	24.8	38.4	45.6	49.5	59.6	68.2	68.1	55.0	48.1	30.2	36.5	45.7
1890	24.8	28.2	35.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	24.7	27.8	33.6	40.4	50.7	61.2	67.2	64.9	55.8	44.7	33.0	28.1	44.4

GERING, NEBR.

1889	.....	.....	.....	.....	.....	.....	73.2	e 74.0	60.7	51.3	33.6	37.9	.....
1890	.....	27.1	37.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	.....	27.1	37.4	.....	.....	.....	73.2	74.6	60.7	51.3	33.6	37.9	.....

KIMBALL, NEBR.

1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38.4	24.6	.....
1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.8	33.1	.....
1889	24.2	27.4	[40.0]	[50.0]	54.6	65.7	71.9	72.0	61.0	56.0	33.1	37.8	[49.5]
1890	.....	31.6	34.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	24.2	29.2	37.3	50.0	54.6	65.7	71.9	72.0	61.0	56.6	35.4	31.8	49.1

SIDNEY, NEBR.

1872	.....	.....	.....	.....	.....	67.3	69.3	71.3	59.8	50.7	27.7	17.9	.....
1873	17.1	19.6	32.2	36.2	50.8	69.6	71.8	72.6	59.1	42.6	35.4	20.1	43.9
1874	26.3	20.4	30.5	41.4	59.0	67.7	76.1	73.4	57.6	50.5	34.5	28.0	47.2
1875	6.9	24.6	31.7	39.9	59.3	68.6	69.8	68.5	60.2	50.5	32.0	35.7	45.6
1876	22.9	31.9	26.9	46.3	56.0	63.4	74.6	69.8	57.8	46.8	32.5	21.1	45.8
1877	26.4	33.6	35.7	41.6	54.6	62.0	74.0	71.0	58.7	41.1	30.6	29.0	46.6
1878	20.6	30.6	38.6	45.9	50.5	60.9	70.2	69.8	52.6	43.5	36.6	18.8	44.9
1879	22.9	24.0	41.2	48.4	57.3	67.0	71.5	67.9	58.9	48.0	35.8	26.6	47.6
1880	30.4	23.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	17.2	33.5	30.5	42.6	61.9	64.6	75.5	71.5	59.0	49.4	29.2	28.0	46.9
1887	23.4	20.4	40.6	48.2	59.7	70.2	72.7	68.7	61.8	44.9	35.6	24.6	47.6
1888	23.3	34.1	36.8	52.8	54.2	69.5	75.7	67.7	61.8	47.9	29.2	31.3	48.2
1889	22.7	23.7	39.7	50.6	54.6	65.6	72.4	73.1	59.7	48.4	32.9	36.2	48.2
1890	18.0	28.6	38.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	20.9	26.8	34.7	44.8	56.2	66.3	72.8	70.4	58.9	47.1	32.7	26.0	46.5

Statement showing mean temperature—Continued.

OGALLALA, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1885	[13.0]	19.1	38.0	51.5	59.7	69.5	76.0	70.4	64.7	49.3	38.6	31.0	[48.4]
1886	12.8	32.8	29.2	46.0	70.5	68.9	77.4	70.3	63.5	54.2	30.8	25.6	49.0
1887	.....	.....	37.3	50.0	65.0	71.2	75.5	70.6	60.3	46.5	34.2	22.0	.....
1888	14.0	31.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	13.3	27.8	34.8	49.2	65.1	69.9	76.3	72.4	62.8	50.0	34.5	26.2	48.5

NORTH PLATTE, NEBR.

1874	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.7	36.0	29.2	.....
1875	7.7	21.3	31.1	42.0	61.1	69.6	72.0	70.8	62.5	51.1	31.8	34.6	46.3
1876	24.3	32.7	27.7	47.4	59.5	67.5	76.0	72.7	60.1	46.9	34.0	21.7	47.5
1877	18.7	34.7	33.8	45.7	57.7	65.9	75.2	71.9	64.5	44.5	33.9	31.4	48.2
1878	26.0	35.3	44.0	50.3	54.3	66.3	75.6	74.7	60.2	47.8	39.7	21.1	49.7
1879	23.1	19.7	41.0	50.9	62.1	69.8	73.7	71.7	59.9	55.2	35.1	15.0	48.1
1880	32.1	29.4	32.0	47.2	62.3	68.3	71.9	71.5	60.0	47.0	24.0	18.6	47.1
1881	13.9	21.6	33.9	47.4	61.4	70.9	73.7	77.4	60.3	48.0	33.2	32.6	47.9
1882	24.7	33.2	41.6	47.5	54.1	67.4	70.6	71.0	64.1	53.1	35.2	26.4	49.1
1883	14.8	16.8	36.3	47.6	53.6	66.7	72.9	69.7	60.0	44.7	38.0	29.5	45.9
1884	10.4	19.7	34.0	44.5	57.9	70.8	73.6	68.4	64.9	54.6	37.6	16.5	46.8
1885	12.9	19.8	36.6	51.3	56.3	65.7	72.2	67.2	62.2	48.3	39.5	32.9	47.1
1886	16.0	32.8	30.5	47.2	64.0	67.6	76.5	73.8	61.6	54.2	31.0	23.2	48.2
1887	18.9	19.3	38.5	49.9	61.9	70.4	74.0	69.8	62.0	47.1	36.2	22.5	47.6
1888	12.7	31.5	26.9	52.1	54.0	69.3	75.5	69.2	63.6	48.6	30.4	30.8	47.0
1889	20.5	26.6	40.9	50.6	56.3	66.6	71.7	72.3	59.8	49.8	33.2	37.2	48.8
1890	18.8	27.2	36.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	19.0	26.4	35.4	48.1	58.4	68.3	73.7	71.5	61.8	49.6	34.7	26.4	47.7

FORT McPHERSON, NEBR.

1866	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.3	27.3	.....
1867	24.4	.....	.....	.....	.....	.....	.....	.....	.....	52.6	39.0	37.5	.....
1868	28.7	31.7	40.9	48.0	63.5	73.2	83.0	74.4	60.6	53.6	37.6	29.0	52.0
1869	33.1	30.0	36.8	47.5	61.0	69.4	76.1	78.6	65.5	47.7	39.6	32.0	51.5
1870	28.7	39.8	33.4	53.5	65.9	72.3	80.8	71.0	65.6	52.6	46.2	28.3	53.2
1871	32.8	39.0	42.6	50.1	63.0	75.4	77.6	75.2	65.0	54.8	32.6	23.0	52.6
1872	25.0	34.2	36.0	51.3	61.7	73.0	74.1	75.4	64.4	55.0	32.0	19.2	50.2
1873	23.2	27.4	41.9	44.5	56.7	74.4	75.0	77.5	62.2	48.8	40.7	24.0	49.7
1874	28.5	26.8	34.8	48.3	65.8	74.7	83.3	80.8	63.8	55.1	35.8	29.5	52.3
1875	7.5	18.7	33.4	44.2	63.0	72.1	74.7	73.9	65.9	55.7	33.1	35.0	48.2
1876	26.9	35.0	28.9	55.2	62.9	72.0	78.7	76.0	64.0	50.3	[37.0]	21.7	[50.7]
1877	20.5	[36.0]	35.4	48.3	59.2	67.9	78.4	75.3	65.7	47.3	34.2	31.5	[50.1]
1878	27.1	35.6	46.1	53.5	56.7	67.7	77.2	75.9	62.1	49.8	40.1	20.6	51.0
1879	23.8	21.2	42.4	54.2	64.4	72.1	75.4	74.8	61.8	56.6	35.7	17.3	50.0
1880	32.8	31.1	35.1	49.9	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	26.0	31.3	37.5	49.9	62.0	72.0	77.9	75.7	64.0	52.3	37.6	26.9	51.1

SARGENT, NEBR.

1884	15.0	.....	.....	43.4	55.3	67.9	.....	.....	.....	.....	33.3	.....	.....
1885	.....	.....	33.8	.....	53.2	.....	72.1	.....	.....	.....	32.2	.....	.....
1887	12.5	15.7	.....	.....	67.0	74.5	.....	70.7	.....	44.8	31.8	14.8	.....
1888	.....	.....	.....	49.8	51.7	69.9	75.0	.....	.....	45.3	33.0	26.7	.....
1889	21.0	21.6	37.0	48.9	58.1	.....	75.0	74.5	.....	.....	.....	.....	.....
1890	.....	.....	32.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	16.2	18.6	34.3	47.4	57.1	70.8	74.0	72.6	.....	45.0	32.6	20.8	.....

ANSLEY, NEBR.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27.8	.....
1889	23.6	22.8	38.8	48.7	58.2	68.0	71.2	73.4	59.8	49.3	32.2	34.2	48.4
1890	15.5	25.4	33.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	19.6	24.1	35.9	48.7	58.2	68.0	71.2	73.4	59.8	49.3	32.2	31.0	47.6

Statement showing mean temperatures—Continued.

FORT HARTSUFF, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1875	.....	.....	.....	.....	.....	.....	.....	.....	60.8	47.6	27.9	30.1	.....
1876	22.5	27.8	23.2	49.1	60.8	67.2	75.1	73.4	59.6	46.7	31.0	17.5	46.2
1877	16.8	34.3	31.1	46.5	57.6	66.3	74.0	72.7	64.8	46.5	31.8	31.2	47.8
1878	24.9	32.6	44.6	52.7	55.3	66.1	76.1	75.2	00.0	48.7	37.5	18.2	49.4
1879	19.2	19.1	37.8	51.4	03.2	70.3	75.3	73.3	60.3	57.1	33.4	10.6	47.6
1880	30.0	29.4	29.0	48.5	66.3	70.0	74.2	73.0	60.9	45.0	22.7	15.4	47.2
1881	7.5	14.7	26.9	43.7	64.4	.....	.....	.....	.....	.....	.....	.....	.....
Means	20.2	26.3	32.1	48.6	61.3	68.0	74.9	73.6	61.2	48.7	30.7	20.5	47.2

NORTH LOUP, NEBR

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.6	.....	.....
1889	22.5	22.1	37.0	51.5	56.7	69.6	72.1	70.5	58.1	50.0	31.4	35.1	47.6
1890	13.0	23.2	32.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	18.2	22.6	35.0	51.5	56.7	69.6	72.1	70.5	58.1	50.0	29.0	35.1	46.7

AUSTIN, NEBR.

1879	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.8	.....
1880	33.6	26.4	35.4	50.4	66.2	70.7	75.4	73.2	60.6	47.3	23.0	17.1	48.3
Means	33.0	20.4	35.4	50.4	66.2	70.7	75.4	73.2	60.6	47.3	23.0	17.4	48.3

PALMER, NEBR.

1888	5.0	24.0	21.0	49.3	52.0	74.2	80.2	72.8	61.0	42.2	31.8	28.9	45.2
1889	20.5	20.3	36.8	49.2	57.7	66.4	76.0	68.5	[59.0]	45.6	30.5	35.6	[47.2]
1890	11.9	.....	29.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	12.5	22.2	29.0	40.2	54.8	70.3	78.1	70.6	00.3	43.9	31.2	32.2	46.2

RAVENNA, NEBR.

1889	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.4	32.6	36.4	.....
1890	16.0	.....	34.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	16.0	.....	34.1	.....	.....	.....	.....	.....	.....	51.4	32.6	36.4	.....

CENTRAL CITY, NEBR.

1883	12.5	18.0	42.0	47.0	64.0	67.7	73.0	83.0	58.7	44.0	32.0	25.0	47.2
1884	15.8	15.9	33.2	42.5	61.4	72.0	79.5	73.7	67.1	54.8	33.0	12.8	46.8
1885	8.1	14.1	33.0	47.0	57.1	67.6	76.2	70.5	63.6	46.2	37.7	[30.0]	[45.9]
1886	[9.0]	[26.0]	29.8	47.5	61.2	69.1	79.6	76.6	68.4	55.3	30.6	17.7	[47.6]
Means	11.4	18.5	34.5	46.0	60.9	69.1	77.1	76.0	64.4	50.1	33.3	21.4	46.9

NORFOLK, NEBR.

1873	.....	22.3	34.0	41.8	55.4	.....	.....	74.2	57.8	.....	.....	.....	.....
1874	.....	.....	31.1	42.9	63.3	70.8	.....	76.9	62.4	51.2	32.0	24.1	.....
1875	1.6	3.9	23.6	40.4	59.4	68.4	71.7	68.4	60.8	48.0	27.6	26.2	41.7
1876	20.2	24.3	23.9	47.9	60.5	65.8	73.0	71.3	58.2	44.0	27.8	13.8	44.2
1877	13.4	31.7	28.8	45.5	57.0	65.0	72.2	70.0	62.4	45.6	30.0	[30.0]	[46.0]
1878	22.9	31.4	42.7	50.4	53.7	64.7	75.1	72.7	59.6	46.6	37.2	16.7	47.8
1879	.....	20.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	14.5	22.3	30.7	44.8	58.2	66.9	73.0	72.2	60.2	47.1	30.9	22.2	45.2

MADISON, NEBR.

1884	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.0	.....
1885	9.6	13.1	32.3	47.4	55.9	67.6	73.2	66.1	62.0	45.0	35.8	28.3	44.7
Means	9.6	13.1	32.3	47.4	55.9	67.6	73.2	66.1	62.0	45.0	35.8	21.6	44.1

Statement showing mean temperatures—Continued.

WEST HILL, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1884	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9.9	.....
1885	7.6	13.6	32.2	47.7	58.1	69.6	75.7	.....	66.9	.....	37.5	.....	.....
1886	3.0	23.7	28.2	48.8	[64.0]	70.2	[77.0]	76.0	63.9	50.1	30.4	15.0	[46.4]
1887	9.2	13.2	35.4	52.9	66.6	[72.5]	77.4	71.9	63.6	[50.0]	34.6	18.6	[47.1]
1888	.....	.....	.....	.....	.....	.....	77.8	70.6	.....	48.9	33.7	28.6	.....
1889	20.4	19.3	38.8	52.1	60.6	70.5	74.3	74.1	[63.0]	51.3	36.8	35.3	[49.2]
1890	13.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	10.8	17.3	33.9	56.4	62.2	70.7	76.4	73.2	64.4	52.6	33.4	21.5	47.4

GENOA, NEBR.

1875	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.8	.....
1876	21.9	26.0	23.8	47.7	60.2	67.1	74.4	73.9	60.3	46.2	29.5	15.8	45.6
1877	16.1	32.8	30.5	46.8	57.3	67.6	73.5	72.1	65.1	47.2	31.6	33.3	47.8
1878	24.4	31.6	43.6	51.5	55.0	60.4	76.5	75.5	61.1	48 2	39.0	18.4	49.3
1879	18.6	21.7	37.6	50.3	64.0	70.4	76.4	73.8	60.9	37.6	34.6	11.8	46.5
1886	29.2	27.0	31.7	48.8	67.6	69.6	75.0	74.7	61.5	46.2	22.6	14.4	47.4
1881	7.2	15.8	28.6	42.2	64.2	72.5	75.4	77.6	61.5	49.5	31.2	30.6	46 4
1882	22.4	29.5	36.7	48.2	54.0	68.8	70.4	72.0	64.3	52.3	33.3	21.4	47.8
1883	7.8	16.9	31.2	49.6	54.3	67.5	73.2	76.7	59.9	45 0	34.6	24.1	44.5
1884	14.2	14.2	31.8	44.0	59.8	71.8	73.3	70.6	65.8	54 8	36.0	12.0	45.6
1885	9.1	14.1	33.6	48.7	58.8	68.9	75.3	68.5	63.5	48.0	37.1	29.5	46.2
1886	5.0	24.5	29.0	48.3	64.2	69.3	77.7	75.4	64.0	55.9	32.2	17.0	46.9
1887	10.9	15.1	35.9	52.7	65.1	72.1	75.7	70.6	63.4	47.8	35.3	20.1	47.1
1888	6.9	25.5	24.6	51.4	54.9	69.8	76.7	70.5	64.6	48.4	35.4	29.7	46.4
1889	22.3	21.3	39.9	52.7	60.7	69.6	73.4	72.8	60.6	50.1	32.1	35.4	49.2
1896	14.6	22.7	31.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.4	22.6	32.7	48.7	60.6	69.4	74.8	68.5	62.6	48.4	33.2	22.9	46.6

RICHLAND (ON THE ELKHORN RIVER), NEBR.

1858	.....	.....	.....	.....	.....	.....	76.6	72.4	63.6	49.9	28.5	20.9	.....
1859	23.8	21.4	37.2	40.5	65.2	70.2	78.1	73.2	63.3	49.9	37.5	11.6	47.7
1866	18.6	24.1	44.1	50.7	65.2	71.2	77.6	74.4	62.5	52.5	32.2	17.1	49 1
1861	12.2	22.8	31.5	50.7	60.1	73.0	74.6	74.0	62.0	49.6	34.6	25.6	47.6
1862	8.8	13.2	28.0	43.6	63.2	71.4	75.6	72.8	65.1	51.7	36.3	32.3	46.8
1863	.....	.....	.....	.....	63.0	66.9	71.5	71.9	62.6	40.2	33.2	21.2	.....
1864	16.4	30.3	32.8	45.7	62.6	73.8	76.1	73.3	65.7	44.3	32.8	17.6	47.6
1865	20.8	28.4	29.1	45.1	62.3	76.9	76.3	72.0	70.5	53.3	41.2	15.1	48.2
1866	19 5	21.4	29.1	50.6	60.4	67.8	77.4	71.3	57.5	53.2	39.0	23.4	47.5
1867	14.5	19.7	14.1	43.4	54 2	76.2	72.5	73.0	65.3	52.2	40.2	27.2	45.5
1868	11.4	24.3	42.3	43.6	63.8	70.3	80.5	68.7	56.1	50.0	33.8	20.2	47.1
1869	24.8	27.4	31.5	46.8	60.2	68.6	71.5	73.1	60.9	42.2	32.1	25.7	47.9
1870	20.0	29.2	28.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.3	23.8	31.7	46.0	61.8	76.3	75.2	72.5	62.9	49.1	35.1	21.4	47.3

DAVID CITY, NEBR.

1888	.....	.....	.....	.....	.....	.....	.....	.....	62.2	49.6	.....	.....	.....
1889	21.2	21.6	31.6	45.4	55.4	62.5	66.8	65.5	53.6	42.6	24.0	29.0	43.2
Means	21.2	21.6	31.6	45.4	55.4	62.5	66.8	65.5	57.6	45.5	24.6	29.0	43.8

STROMSBURGH, NEBR.

1883	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37.9	27.6	.....
1884	16.5	16.9	35.3	46.1	60.3	75.5	[75.4]	73.4	[64.0]	56.2	37.4	13.5	[47.5]
1885	18.4	17.0	[34.7]	49.0	58.2	71.0	74.7	68.3	62.6	49.2	37.3	[30 0]	[47.5]
1886	6.0	25.7	29.4	51.0	65.0	70.9	77.5	76.4	63.9	56.7	32.9	17.8	47.8
1887	14.2	17.9	36.8	52.4	63.9	71.2	73.9	70.3	.....	.....	.....	.....	.....
Means	13.8	19.9	34.0	49.6	61.8	72.2	75.4	72.1	63.3	54.6	36.4	22.2	47.9

CRAIG, NEBR.

1889	.....	.....	.....	h 53.5	62.0	69.2	73.6	72.9	61.2	50.3	32.3	35.4	.....
1890	13.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Statement showing mean temperatures—Continued.

FONTANELLE, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1859	24.4	23.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861	14.9	27.7	32.2	51.6	56.1	72.9	71.8	73.8	64.2	49.0	35.2	28.7	48.2
1862	11.6	17.2	27.5	38.5	62.3	75.3	.....	.....	.....	.....	.....	.....	.....
1863	.....	.....	.....	.....	.....	.....	.....	.....	61.2	36.4	32.8	18.2	.....
1868	.....	.....	.....	.....	.....	.....	.....	69.5	56.4	50.2	.....	.....	.....
1869	.....	.....	.....	47.6	60.9	65.3	73.8	.....	62.4	.....	32.9	.....	.....
Means	17.0	22.8	29.8	45.9	59.8	71.2	72.8	71.6	61.8	45.2	33.6	23.4	40.2

OLD COUNCIL BLUFFS, OR FORT CALHOUN, NEBR.

1820	8.8	29.4	31.1	58.0	62.7	74.1	75.4	75.1	68.0	46.2	32.9	18.4	48.6
1821	10.8	21.1	37.0	45.1	58.6	75.0	72.1	77.8	61.2	54.9	35.9	11.9	47.5
1822	21.0	32.9	44.8	49.3	63.9	74.0	79.0	77.3	67.8	49.1	35.3	12.8	50.7
1823	22.4	16.1	38.9	55.0	61.8	79.0	79.0	76.7	66.8	55.7	41.4	27.5	51.7
1824	27.2	27.5	28.4	47.4	63.3	67.4	75.9	75.2	64.4	51.3	30.1	25.8	48.7
1825	20.4	32.9	40.3	59.4	67.0	73.0	75.3	76.7	64.3	54.7	43.0	21.2	52.6
1826	22.0	23.6	34.7	48.0	71.7	76.4	77.0	74.8	62.8	57.4	42.6	30.8	51.8
Means	18.9	26.0	36.9	51.7	64.1	74.1	76.3	76.2	65.5	52.8	37.3	22.0	50.2

DE SOTO, NEBR.

1867	14.1	18.8	13.1	44.7	55.6	71.7	73.6	74.0	65.3	51.9	39.5	25.6	45.7
1868	11.2	23.2	41.3	43.8	63.8	71.0	81.4	67.9	54.8	48.8	33.0	19.6	46.6
1869	24.6	26.4	30.8	45.8	59.3	65.1	70.4	72.6	59.7	42.0	30.8	24.6	46.0
1870	19.2	28.3	27.3	52.2	64.0	72.5	75.1	68.3	62.8	50.0	40.9	23.3	48.7
1871	21.6	27.8	40.0	53.7	61.9	74.0	72.6	71.9	60.0	52.0	29.2	16.1	48.8
1872	16.9	26.0	30.0	51.4	61.0	72.5	74.6	73.7	61.7	52.5	28.9	15.8	47.1
1873	13.7	23.4	36.5	41.9	58.6	74.7	75.2	76.0	60.0	47.3	37.1	[23.9]	[47.6]
1874	20.1	26.5	32.8	[43.0]	66.8	73.2	79.9	77.5	63.7	53.9	34.6	26.1	[49.8]
1875	7.9	10.2	27.4	44.4	62.5	70.0	73.1	68.8	61.2	48.1	30.2	31.1	44.6
1876	25.0	27.3	27.0	50.0	63.0	67.5	74.0	73.8	61.3	49.4	31.6	17.0	47.2
1877	17.5	35.2	30.7	49.7	60.0	67.9	74.0	71.2	65.8	49.4	33.9	35.2	49.2
1878	26.3	34.8	47.5	54.0	58.3	66.2	77.4	74.6	62.7	50.3	40.8	19.6	51.0
1879	19.8	25.0	39.5	[49.0]	[64.0]	69.9	76.1	73.4	64.1	59.4	30.8	15.2	[49.1]
1880	31.9	29.4	35.4	51.1	68.1	69.7	74.2	73.3	61.7	47.0	24.2	17.7	48.6
1881	9.5	16.0	26.1	43.6	66.3	72.7	75.9	78.0	63.7	51.7	33.5	31.8	47.4
1882	24.2	32.0	38.6	52.0	56.3	69.8	69.7	71.4	65.6	55.7	36.4	20.8	49.4
1883	8.1	17.9	33.2	52.9	56.7	67.8	74.1	70.6	60.0	48.1	36.8	26.0	46.0
1884	14.6	17.3	33.4	47.4	60.4	71.2	73.0	69.2	67.0	54.7	36.5	14.7	46.6
1885	9.4	14.5	34.8	49.4	59.2	69.8	75.2	68.7	63.3	48.4	36.8	27.1	46.4
1886	7.0	24.1	32.2	51.0	65.1	71.9	78.5	75.8	64.9	57.7	33.3	10.4	48.2
1887	10.8	17.4	37.0	54.3	66.4	72.8	76.5	72.1	64.3	48.4	36.4	21.9	48.2
8888	6.6	24.6	27.6	52.4	55.4	70.2	77.7	74.6	62.7	49.4	37.0	30.2	47.4
1889	22.6	22.0	41.3	51.2	61.4	68.9	73.8	72.4	62.1	50.1	33.2	37.0	49.7
1890	16.8	24.8	30.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	16.6	23.9	33.1	49.2	61.6	70.5	75.1	72.6	62.4	50.6	34.4	23.3	47.8

YUTAN, NEBR.

1884	.....	.....	.....	.....	.....	73.3	75.4	70.4	68.1	55.8	36.6	14.3	.....
1885	9.7	14.6	34.5	49.8	60.5	71.2	75.6	[66.0]	[63.0]	48.1	37.5	27.9	[46.5]
1886	6.6	25.0	32.8	.....	.....	.....	77.9	.....	.....	.....	.....	.....	.....
1887	11.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	9.2	19.8	33.6	49.8	60.5	72.2	76.3	68.2	65.6	52.0	37.0	21.1	47.1

CLEAR CREEK, NEBR.

1874	.....	.....	.....	.....	.....	77.8	78.2	75.3	61.6	52.6	32.7	23.6	.....
1875	8.0	9.0	28.3	43.1	62.4	69.1	72.8	66.8	60.3	47.2	29.1	29.8	43.8
1876	25.3	26.0	26.4	46.1	60.9	67.8	73.7	69.7	60.2	47.6	30.1	15.6	45.8
1877	16.4	35.1	31.1	48.0	58.2	66.6	72.7	70.3	64.5	47.2	32.1	34.7	48.1
1878	25.0	33.1	44.3	52.4	56.0	66.0	76.7	74.5	62.5	48.8	40.1	19.0	49.9
1879	18.2	24.2	39.2	50.9	65.1	70.0	76.7	73.1	60.5	57.9	35.5	15.1	48.9
1880	30.8	27.8	33.6	49.5	68.3	71.0	74.8	73.3	61.6	46.6	23.5	16.7	48.1
1881	9.6	15.4	26.6	[42.0]	67.0	74.2	77.0	79.2	62.3	52.4	33.2	32.2	[47.6]
1882	24.2	32.4	36.0	50.9	55.8	70.2	70.5	72.2	66.5	[52.0]	35.8	22.7	[49.1]
1883	9.2	18.7	32.8	52.9	57.0	68.9	75.4	72.0	60.4	47.8	36.8	25.9	46.5
1884	14.6	17.9	33.7	47.0	61.6	.....	.....	.....	.....	.....	.....	.....	.....
Means	18.1	24.0	33.2	48.3	61.2	70.2	74.8	72.6	62.0	50.0	32.9	23.5	47.6

Statement showing mean temperatures—Continued.

WESTON, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1889	.....	.....	.....	55.6	62.0	70.6	75.0	70.0	63.2	51.8	31.0	37.0	.....
1890	17.3	[25.0]	32.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.3	[25.0]	32.2	55.0	62.0	70.6	75.0	76.0	63.2	51.8	31.0	37.0	[49.7]

FREMONT, NEBR.

1882	.....	.....	.....	53.5	67.8	72.1	72.9	74.8	67.0	56.8	38.6	22.7	.....
1883	8.8	18.7	33.3	52.8	57.5	68.6	75.8	72.1	60.5	44.2	37.3	24.2	46.2
1884	12.7	16.2	32.4	45.3	60.2	74.6	72.0	68.0	65.4	48.7	34.7	12.8	45.2
1885	7.7	12.2	33.0	47.6	58.1	67.7	75.1	68.8	65.2	47.0	35.8	26.3	45.4
1886	0.5	22.3	28.7	49.2	64.6	69.0	76.9	74.1	63.6	56.5	31.6	18.2	46.8
1887	11.6	18.8	37.2	52.9	62.4	71.2	73.9	71.2	64.4	48.0	37.8	23.5	47.7
1888	8.9	24.8	27.8	52.0	54.9	70.0	76.8	70.9	62.2	47.9	35.7	29.4	46.8
1889	21.9	21.9	40.8	53.7	61.9	70.2	74.4	73.2	65.3	50 5	33.1	37.4	50.4
1890	10.3	24.3	30.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	11.8	19.9	33.0	50.9	59.7	70.4	74.7	71.6	64.3	50.0	35.6	24.3	47.2

ASHLAND, NEBR.

1888	.....	.....	.....	.....	.....	.....	78.5	.....	.....	.....	.....	.....	.....
1889	.....	.....	43.3	51.7	63.7	69.9	74.2	70.3	63.5	51.3	35.2	.....	.....
Means	.....	.....	43.3	51.7	63.7	69.9	76.4	70.3	63.5	51.3	35.2	.....	.....

LOGAN, IOWA.

1866	.....	.....	.....	.....	58.9	65.1	76.3	69.1	58.0	51.0	.....	.....	.....
1867	15.6	23.9	18.3	44.2	52.4	68.1	70.6	71.8	66.0	54.3	42.4	27.5	46.3
1868	13.0	26.0	43.5	43.7	60.9	68.3	79.0	68.6	55.4	49.2	34.0	19.2	46.8
1869	23.1	26.5	31.9	45.0	58.0	63.3	68.9	71.0	60.6	42.8	31.8	25.7	45.7
1870	21.2	30.5	29.0	50.1	62.6	69.3	75.2	66.1	62.4	51.7	42.0	25.2	48.8
1871	22.6	29.7	39.8	54.5	62.6	72.4	70.3	69.6	61.5	53.4	30.0	17.1	48.6
1872	17.5	25.6	29.9	48.0	58.2	69.7	72.6	71.2	61.5	52.2	28.4	14.8	45.8
1873	14.1	23.2	35.9	43.5	55.8	72.8	72.9	74.6	59.1	46.7	37.0	[25.0]	[46.7]
1874	20.2	20.7	33.1	42.6	64.2	69.2	77.6	79.0	63.0	55.1	33.6	26.2	48.7
1875	7.6	12.6	28.3	43.4	60.5	68.6	71.6	68.2	61.6	48.5	29.9	32.2	44.4
1876	25.8	28.4	29.7	49.3	60.3	64.5	72.8	71.0	61.3	48.8	32.6	10.6	46.8
1877	17.5	35.2	31.9	47.3	59.2	67.9	73.3	70.7	67.8	50.8	35.6	34.9	49.3
1878	28.5	35.1	48.0	51.8	56.1	66.8	76.4	74.0	64.7	52.7	41.2	21.3	51.4
1879	21.8	26.7	40.8	50.9	63.7	66.7	77.0	74.2	62.3	60.7	38.5	15.4	49.9
1880	34.4	32.6	36.6	51.7	71.3	71.0	75.7	74.1	63.4	49.7	27.5	18.5	50.5
1881	12.0	10.5	29.5	45.2	66.8	73.6	79.5	70.6	66.9	54.3	35.8	34.7	49.6
1882	26.0	33.4	39.6	51.9	56.6	72.5	69.8	72.1	60.9	56.5	37.4	22.8	50.5
1883	10.2	20.2	33.9	53.0	58.5	68.7	77.0	77.2	64.0	50.6	39.3	29.6	48.5
1884	17.8	21.3	36.7	48.4	64.3	71.3	72.8	70.8	69.1	53.7	38.5	17.1	48.5
1885	14.1	15.5	32.5	51.8	61.7	71.8	76.9	70 4	65.2	51.0	38.6	25.6	48.0
1886	7.1	22.0	32.2	52.5	65.5	70.7	77.0	76.8	70.2	55.5	31.3	18.1	48.2
1887	10.9	18.6	39.4	55.0	66.7	74.4	77.3	73.5	66.4	50.0	37.5	23.8	49.5
1888	7.2	20.8	29.0	53.4	57.4	70.8	79.4	73.6	64.4	50.9	38.8	31.5	48.1
1889	24.1	22.9	42.1	54.2	62.7	70.7	74.0	72.4	62.2	52.3	35.4	39.6	51.0
1890	19.2	26.5	31.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	18.0	24.8	34.3	49.2	61.0	69.5	74.8	72.5	62.7	51.8	35.6	24.5	48.2

* Observations were made at Harris Grove from 1866 to 1873, inclusive, but are not included in the averages upon which the charts are based

OMAHA, NEBR.

1871	24.0	30.3	40.8	53.7	63.4	75.8	75.4	73.5	62.2	53.2	30.7	18.3	50.1
1872	19.2	27.5	31.2	50.8	60.9	72.4	76.1	74.9	62.4	53.0	30.1	18.2	48.1
1873	16.9	26.7	38.1	45.3	58.8	74.1	74.5	77.2	60.4	48.4	38.2	24.8	48.6
1874	22.2	23.0	33.5	44.7	66.1	73.1	79.6	77.1	62.7	53.6	36.0	28.2	50.0
1875	10.8	13.4	30.2	44.9	62.9	70.9	74.2	70.0	62.5	49.6	32.6	33.9	46.2
1876	26.7	30.4	29.2	51.1	63.0	68.2	75.2	74.9	62.2	49.9	33.1	19.0	48.6
1877	20.2	37.3	33.6	50.1	60.3	69.1	75.6	72.6	66.4	51.2	36.0	38.9	50.9
1878	28.8	36.7	47.9	54.6	58.1	66.7	79.0	76.8	64.1	52.0	43.8	21.5	52.5
1879	21.7	26.8	41.0	53.6	66.8	72.7	78.5	75.0	62.5	61.5	40.3	17.3	51.5
1880	34.5	30.9	35.0	51.2	69.4	73.0	76.7	74.7	62.9	49.2	26.4	18.4	50.3
1881	11.8	17.9	27.6	44.4	67.8	74.9	78.9	80.2	66.0	54.4	36.9	36.0	49.7
1882	27.5	36.3	40.2	52.0	56.6	71.0	71.7	73.1	67.5	57.2	39.7	24.6	51.4
1883	11.9	21.7	34.6	53.6	57.3	69.1	75.7	71.3	60.8	49.4	39.2	28.6	47.8
1884	17.0	19.4	35.3	47.5	61.6	72.3	74.5	70.3	68.6	57.3	39.3	17.3	48.4
1885	12.2	16.6	36.1	50.1	59.8	71.1	77.0	69.9	64.5	49.8	39.9	28.6	47.9
1886	7.3	24.4	31.9	50.9	65.1	70.2	77.3	75.6	65.3	58.3	34.2	17.9	48.2
1887	11.8	18.2	38.0	54.5	66.1	72.4	76.3	72.0	65.3	50.7	39.6	23.6	49.0
1888	8.0	25.9	28.8	52.5	55.9	70.0	79.2	72.4	64.0	51.2	39.7	32.3	48.3
1889	24 0	23.0	42.5	54.0	62.5	69.5	74.8	74.0	63.6	52.2	35.3	39.4	51.2
1890	18.2	25.2	32.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	18.8	25.6	35.4	50.5	62.3	71.4	76.3	74.0	63.9	52.7	36.4	25.4	49.4

Statement showing mean temperatures—Continued.

BELLEVUE, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1857	.....	.....	.....	.....	.....	70.6	76.7	.....	75.3	48.9	32.0	32.1	.....
1858	32.7	17.3	44.7	48.2	55.5	70.8	74.2	71.7	64.7	52.6	31.6	25.7	49.1
1859	27.2	25.3	40.4	42.6	63.5	69.8	76.7	73.0	62.6	50.5	39.6	15.8	48.9
1860	24.4	29.6	45.0	53.9	63.8	72.4	77.7	73.8	64.5	56.0	37.2	23.0	51.8
1861	17.7	27.1	36.6	52.9	60.1	71.2	75.3	73.3	63.9	52.3	40.6	31.9	50.5
1862	16.2	19.9	31.8	47.1	63.4	72.5	76.4	73.6	66.7	47.8	37.4	34.1	48.9
1863	.....	.....	.....	.....	62.4	66.6	70.4	72.9	64.7	43.1	35.4	25.2	.....
1864	18.6	31.3	34.7	46.2	61.9	73.2	75.8	72.9	66.7	46.3	33.4	19.7	48.4
1865	23.2	30.7	32.6	46.2	62.2	71.5	72.0	74.1	72.3	55.8	44.8	10.2	50.1
1866	21.0	24.8	31.1	51.9	60.7	67.7	78.5	70.6	58.9	53.2	43.7	26.8	49.1
1867	18.3	26.4	.....	47.2	55.9	71.5	.....	.....	.....	.....	.....	.....	.....
1868	13.7	27.4	45.6	46.6	66.6	73.6	84.0	70.2	58.5	51.9	36.7	22.1	49.7
1869	26.2	30.2	34.0	49.8	61.6	69.0	73.5	75.2	63.2	44.8	34.8	28.3	49.2
1870	22.8	32.4	32.4	53.8	66.8	73.1	78.8	70.3	65.7	53.1	42.6	27.2	51.6
1871	24.8	31.2	42.2	56.2	66.0	75.3	75.0	73.6	61.8	53.0	33.4	16.8	50.8
1872	16.5	24.4	29.7	39.9	[60.8]	71.5	74.5	73.6	61.0	50.0	29.4	16.6	[45.7]
1873	15.4	24.6	36.5	44.5	58.4	73.8	74.4	75.0	59.7	47.1	35.6	23.0	47.4
1874	21.0	20.9	32.9	45.2	66.6	73.2	80.0	76.4	62.5	52.5	34.9	26.6	[49.4]
Means	21.2	26.5	36.6	48.3	62.1	71.7	76.1	73.2	64.3	50.5	36.6	24.2	49.3

GLENWOOD, IOWA.

1867	9.2	22.9	16.5	39.0	47.5	65.3	65.2	68.1	58.4	45.0	36.6	22.7	41.4
1868	8.3	19.7	37.2	39.4	57.9	65.5	79.8	64.8	50.4	42.5	45.2	15.0	43.8
1869	18.0	22.5	25.7	40.6	57.0	60.5	66.4	67.4	54.7	38.4	28.4	20.4	41.7
1870	15.4	25.2	26.3	46.2	61.0	66.7	57.6	65.0	59.3	47.3	36.2	21.4	44.0
1871	21.2	26.3	31.8	50.6	59.4	70.4	71.4	70.3	54.9	44.0	25.9	13.4	45.5
1872	19.5	22.3	27.4	47.6	57.9	66.8	69.0	72.0	54.3	40.6	22.4	10.4	42.5
1873	9.8	18.0	33.4	42.1	54.6	69.2	d 70.6	69.6	52.4	39.4	29.4	19.4	42.3
1874	16.2	16.6	28.6	38.3	58.0	67.9	71.0	71.2	56.5	44.7	29.4	20.1	43.2
1875	4.6	8.5	25.2	40.6	56.8	66.1	72.8	c 65.3	i 61.4	42.4	26.3	27.6	41.5
1876	21.2	23.8	24.6	43.9	57.4	63.6	72.6	70.6	56.6	40.0	26.5	11.1	42.7
1877	11.2	29.2	28.8	45.2	56.8	65.0	69.4	66.8	57.0	45.0	30.0	32.9	44.8
1878	d 27.9	d 37.7	47.7	52.6	57.8	68.2	73.6	71.0	61.9	.....	.....	.....	.....
1879	14.0	22.3	35.5	46.0	i 61.7	67.5	77.0	74.4	61.8	60.4	36.6	[15.4]	[47.7]
1880	32.6	29.4	36.0	53.2	70.4	b 75.1	79.4	79.0	65.8	d 53.0	d 27.1	16.5	51.5
1881	b 10.7	i 13.8	28.7	c 45.3	70.7	e 78.0	c 81.2	f 82.6	a 69.2	b 56.8	34.8	p 35.8	50.6
1882	l 24.5	h 33.4	i 40.0	g 52.8	g 58.6	g 71.9	p 74.1	j 71.4	.....	.....	.....	.....	.....
1883	5.9	16.4	31.6	49.2	55.6	72.5	77.6	67.3	56.2	45.2	36.9	24.2	44.9
1884	13.1	17.8	d 31.0	45.6	59.2	69.8	.....	.....	.....	.....	.....	.....	.....
1888	10.0	27.3	32.6	55.2	59.9	73.1	82.2	75.1	63.2	50.9	38.5	31.9	50.0
1889	24.5	23.4	43.8	50.2	59.2	65.6	72.6	70.0	58.7	44.6	33.5	34.8	48.9
1890	16.6	25.9	32.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.9	23.0	32.0	46.2	58.9	68.4	72.8	70.9	58.5	45.9	32.0	21.9	45.5

FORT COLLINS, COLO.

1872	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38.9	.....	.....
1873	28.9	28.6	44.0	40.2	51.2	67.0	68.6	69.3	58.0	44.4	39.2	[28.5]	[47.3]
1874	32.1	[22.8]	32.8	36.5	58.5	64.4	71.3	58.3	56.7	52.1	38.9	25.8	.....
1879	.....	.....	.....	.....	.....	.....	.....	.....	62.2	50.4	36.2	24.2	.....
1880	31.2	25.6	33.3	47.2	59.0	68.2	71.8	69.9	61.2	47.4	[26.0]	25.2	[47.2]
1881	23.6	31.6	36.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882	[27.0]	[29.0]	42.1	46.0	53.0	63.5	72.3	71.5	60.8	46.8	33.9	[30.0]	[48.0]
1883	24.0	14.4	30.0	[42.0]	[51.0]	64.0	[69.0]	68.9	60.2	43.4	39.8	33.3	[45.0]
1884	23.4	28.9	35.0	45.8	58.3	.....	.....	.....	.....	48.7	34.7	.....	.....
1885	26.5	23.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	.....	.....	39.8	44.4	57.7	.....	70.0	65.6	.....	.....	.....	.....	.....
1888	20.8	36.7	34.3	54.6	53.3	.....	.....	.....	60.2	48.5	32.1	30.4	.....
1889	21.3	25.3	41.1	49.8	53.5	62.3	68.3	69.3	57.3	44.6	32.1	32.0	46.4
1890	.....	.....	38.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	25.9	26.7	37.0	45.2	55.1	64.9	70.2	67.5	59.6	47.4	35.2	28.7	47.0

LONGMONT, COLO.

1888	19.1	b 30.5	31.3	53.8	b 53.2	b 68.3	b 72.1	i 66.3	f 59.7	f 49.4	.....	.....	.....
1889	21.0	25.3	40.7	50.5	55.0	a 62.3	[72.5]	[73.5]	56.6	50.0	31.9	39.8	[48.3]
1890	24.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	21.4	27.9	36.0	52.2	54.1	65.3	72.3	69.9	58.2	49.7	31.9	39.8	[48.2]

GREELEY, COLO.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	c 49.3	34.8	30.6	.....
1889	21.5	25.7	32.0	51.5	58.9	66.4	74.4	72.9	58.8	50.2	33.4	34.8	48.4
1890	22.8	25.8	34.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	22.2	25.8	33.2	51.5	58.9	66.4	74.4	72.9	58.8	49.8	34.1	32.7	48.4

Statement showing mean temperatures—Continued.

FORT SEDGWICK, COLO.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1867	.....	.....	.....	45.3	56.3	69.0	77.3	.....	.....	52.4	47.3	38.7	.....
1868	24.0	33.7	36.7	45.6	59.4	72.6	82.5	73.2	58.6	53.7	37.9	26.8	50.5
1869	27.8	27.6	35.5	43.6	57.7	68.7	74.6	75.5	62.0	43.4	33.2	24.5	47.8
1870	26.0	33.5	31.8	50.5	64.7	73.2	80.8	68.0	61.2	49.0	42.3	24.0	50.4
Means	26.2	31.6	34.7	46.2	59.5	70.0	78.8	72.2	60.6	49.6	40.2	28.5	49.9

RED WILLOW, NEBR.

1883	[19.0]	24.5	48.0	61.8?	67.6?	80.0?	85.5?	80.9?	63.9?	47.8	42.4	31.6	[54.5]
1884	20.2	24.0	37.0	48.4	61.1	75.7	77.2	73.5	68.8	50.0	38.4	18.8	50.2
1885	17.6	24.5	43.1	55.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	18.9	24.3	42.7	55.1	64.4	78.3	81.4	77.2	66.3	53.4	40.4	25.2	52.3

CULBERTSON, NEBR.

1888	.....	.....	.....	56.5	60.5	76.7	83.4	74.8	60.0	53.6	38.8	33.9	.....
1889	23.4	28.7	44.0	53.5	[58.0]	70.6	75.4	[72.0]	59.1	.....	.....	.....	.....
Means	23.4	28.7	44.0	55.0	59.2	73.6	79.4	73.4	64.0	53.6	38.8	33.9	52.2

KEENE, NEBR.

1884	.....	21.2	35.3	41.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1885	.....	19.7	36.5	51.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	.....	20.4	35.9	46.2	.....	.....	.....	.....	.....	.....	.....	.....	.....

GRAND ISLAND, NEBR.

1888	.....	.....	.....	.....	57.3	75.9	.....	.....	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	.....	.....	.....	.....	57.5	45.0	25.0	34.0	.....
1890	15.8	.....	28.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.8	.....	28.2	.....	57.3	75.9	.....	.....	57.5	45.0	25.0	34.0	.....

FORT KEARNEY, NEBR.

1849	7.1	15.8	35.8	46.9	58.2	68.0	71.0	68.9	65.2	46.7	40.9	17.9	45.2
1850	22.9	27.3	31.7	39.9	58.9	68.2	75.0	73.0	63.8	42.0	35.3	19.2	46.4
1851	27.0	28.1	41.0	45.6	60.6	67.0	76.2	70.8	69.6	50.4	30.4	19.7	48.9
1852	23.1	30.9	33.3	43.3	60.1	67.8	72.6	72.0	58.8	53.4	26.2	15.1	46.4
1853	26.1	24.6	36.5	48.6	53.6	70.3	71.5	73.2	63.0	48.9	34.2	29.3	48.3
1854	18.3	30.4	36.8	51.2	59.3	68.9	75.2	76.1	66.1	55.9	37.4	30.2	50.5
1855	23.6	35.7	32.9	54.4	60.9	69.4	76.1	75.3	61.8	54.3	33.2	11.8	49.1
1856	6.0	22.8	34.0	49.5	59.0	77.8	78.0	71.2	60.5	52.4	31.4	12.2	46.2
1857	9.0	21.0	33.2	37.8	54.2	70.7	76.1	71.3	65.2	48.7	30.6	30.3	45.7
1858	30.3	17.7	42.3	46.7	55.0	71.4	76.2	71.4	63.6	49.8	32.2	25.6	48.5
1859	28.6	28.8	39.0	44.4	62.9	71.3	79.7	71.7	60.7	49.8	39.4	18.8	49.6
1860	25.5	31.6	45.7	52.0	65.5	72.3	78.6	74.1	62.2	52.7	37.6	22.8	51.7
1861	19.1	31.8	38.8	52.3	59.4	73.9	76.9	74.2	62.3	51.8	37.2	29.4	50.6
1862	14.5	23.3	34.2	52.2	62.3	71.3	77.1	73.8	64.9	52.4	36.9	31.2	49.5
1863	27.4	27.6	40.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1865	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.0	.....
1866	12.9	20.0	23.3	44.6	54.4	71.3	76.4	72.6	51.9	48.5	34.2	18.7	44.1
1867	19.8	19.7	12.3	44.3	48.5	64.0	68.7	70.8	64.7	52.8	39.3	31.3	44.7
1868	21.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	20.1	24.3	34.8	47.1	58.3	70.2	75.3	72.5	62.8	50.7	34.8	22.1	47.8

MINDEN, NEBR.

1884	16.9	19.0	38.9	44.2	59.0	.....	78.3	.....	.....	.....	.....	.....	.....
1885	.....	.....	.....	.....	.....	.....	76.0	71.0	64.5	49.6	41.2	34.8	.....
1886	.....	.....	.....	.....	66.1	73.0	.....	76.8	.....	56.0	32.9	21.9	.....
1887	.....	.....	40.0	52.5	66.0	74.5	78.6	.....	.....	.....	.....	.....	.....
1888	12.0	31.2	27.4	54.3	57.8	70.6	[77.0]	72.7	[64.0]	51.2	37.2	32.1	[49.0]
1889	21.1	25.1	41.7	54.2	58.8	70.2	74.8	73.8	[62.5]	49.4	32.2	37.0	[50.1]
1890	18.8	.....	34.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.2	25.1	36.4	51.3	61.5	72.1	76.9	73.6	63.7	51.6	35.9	31.4	49.7

Statement showing mean temperatures—Continued.

HARVARD, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1884												18.0	
1885	14.3	15.0	30.3	50.4	64.2	69.8	75.6	[70.0]	68.3	46.0	36.1	28.0	[47.3]
1886	4.9	26.0											
1887					70.7	77.6	80.8		63.9				
Means	0.6	20.5	30.3	50.4	67.4	73.7	78.2	[70.0]	66.1	46.0	36.1	23 0	[47.6]

LEXINGTON, NEBR.

1889				51.6						42.3	33.6	30.7	
1890	18.4	27.2	31.9										
Means	18.4	27.2	31.9	51.6						42.3	33.6	30.7	

FRANKLIN, NEBR.

1888	13.3	30.3		53.4	57.4								
1889	20.0	19.4	36.7	51.0	59.3	69.1							
1890	19.4		35.2										
Means	17.6	24.8	36.0	52.2	58.4	69.1							

RED CLOUD, NEBR.

1872			37.6			76.6	77.4	76.4		52.4	28.0	12.9	
1873	16.0	23.3	38.9										
1874							84.0	83.5					
Means	16.0	23.3	38.2			76.6	80.7	80.0		52.4	28.0	12.9	

SUPERIOR, NEBR.

1883	12.0		36.0				77.2	74.0		50.1	40.4		
1884	20.1	22.0	32.4	48.2	60.8	75.9	[74.5]	[68.0]	71.1	58.7	39.2	[20.0]	[49.2]
1885		18.9	35.4	50.4	57.5	70.4	74.7						
1889						75.8	76.6						
Means	16.0	20.4	34.9	49.3	59.2	74.0	75.8	71.0	71.1	54.4	39.8	[20.0]	[48.8]

UTICA (7 MILES NORTH OF), NEBR.

1882									66.4				
1883	11.3	18.8	33.5	50.5	57.0	69.0	74.6	72.0	62.3	[47.0]	[36.0]	24.7	
Means	11.3	18.8	33.5	50.5	57.0	69.0	74.6	72.0	64.4	[47.0]	[36.0]	24.7	[46.6]

STOCKHAM, NEBR.

1884	17.4	25.1	38.3										

MILFORD, NEBR.

1882	30.0	36.5	42.0	52.0	58.0	68.0	76.0	74.0	67.0				
1883			38.3	55.3	58.9	71.5							
Means	30.0	36.5	40.2	53.6	58.4	69.8	76.0	74.0	67.0				

PLYMOUTH, NEBR.

1873					62.0	73.7	76.2	77.6	61.5	48.7	37.0		

Statement showing mean temperatures—Continued.

GLENDALE, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1861	.....	.....	.....	.....	.....	.....	.....	74.0	61.9	48.6	.....	.....	.....
1866	18.5	22.1	29.2	50.7	59.0	66.4	70.0	70.5	56.0	51.9	37.9	22.0	46.8
1867	14.2	22.6	16.2	44.5	54.3	70.9	73.5	73.4	64.8	50.8	37.8	26.9	45.8
1868	10.4	23.3	43.0	44.6	63.5	70.7	82.0	68.2	56.2	43.6	33.4	18.9	46.9
1869	23.1	26.5	31.2	47.5	59.2	67.7	72.6	73.8	61.0	40.8	30.8	25.6	46.6
Means	16.6	23.6	29.9	40.8	59.0	68.9	75.9	72.0	60.0	48.1	35.0	23.4	46.6

WEEPING WATER, NEBR.

1882	27.0	31.8	40.0	52.5	49.3	70.5	[72.0]	58.9	62.0	56.6	37.0	25.1	[48.6]
1883	9.8	17.7	30.7	48.5	57.3	77.7	85.9	82.1	68.8	52.1	39.5	31.9	50.2
1884	15.4	18.0	31.8	32.8	54.6	69.6	74.4	68.7	68.1	56.5	35.9	14.6	45.0
1885	[13.0]	18.9	33.8	47.7	55.7	63.4	72.5	66.4	62.9	46.7	35.5	27.3	[45.3]
1886	6.1	23.3	29.0	49.6	63.2	67.6	73.3	73.9	63.7	50.0	35.2	19.7	46.2
1887	13.1	19.2	36.2	52.6	64.5	74.0	74.0	70.8	65.7	47.3	36.0	22.4	48.0
1888	[8.0]	25.5	28.5	49.4	55.8	67.1	77.3	71.8	[61.0]	46.8	36.3	30.8	[46.5]
1889	23.4	21.7	39.3	50.5	62.1	67.2	72.8	71.0	60.8	49.0	31.7	37.7	48.9
1890	16.7	23.7	30.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	14.7	22.2	33.3	48.0	57.9	69.6	75.3	70.9	64.1	50.6	30.0	26.2	47.3

LINCOLN, NEBR.

1870	.....	.....	.....	51.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
1881	[13.0]	22.6	46.0	50.1	69.3	70.5	78.2	83.7	66.3	[53.0]	38.9	31.1	[52.4]
1882	22.4	26.8	54.8	50.9	61.3	[70.0]	[71.0]	[73.0]	66.8	62.5	42.8	30.8	[52.8]
1883	13.0	12.7	.....	.....	63.0	.....	79.6	77.6	69.1	62.8	.....	37.7	.....
1885	.....	.....	.....	49.1	59.3	68.7	.....	69.4	62.6	46.0	38.3	28.4	.....
1886	7.2	25.9	.....	49.9	.....	.....	.....	.....	.....	57.6	34.4	19.7	.....
1887	14.7	20.1	37.3	54.8	65.3	.....	.....	.....	.....	50.0	38.6	23.5	.....
1888	6.1	26.5	31.4	53.8	57.3	70.5	78.6	71.3	64.0	50.9	38.6	33.4	48.5
1889	25.6	23.4	42.2	50.3	[61.5]	69.0	74.2	72.8	62.5	50.4	34.9	39.5	[50.5]
1890	18.6	25.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.1	22.9	42.9	51.3	62.4	70.9	76.3	74.6	65.2	54.1	38.1	30.5	[50.4]

LINCOLN (AGRICULTURAL COLLEGE), NEBR.

1882	24.7	32.8	39.0	51.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883	10.0	18.8	33.4	52.6	58.3	68.6	75.2	70.7	60.6	48.2	37.9	27.8	46.8
1884	.....	19.2	38.1	45.3	61.5	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.4	23.6	30.8	49.7	59.9	68.6	75.2	70.7	60.6	48.2	37.9	27.8	48.0

CRETE (BOSWELL OBSERVATORY), NEBR.

1882	22.0	28.5	52.0	48.2	[57.5]	70.8	67.2	71.8	[67.0]	54.6	37.3	23.2	[50.0]
1883	[13.0]	27.7	34.9	54.1	[59.0]	[72.0]	75.4	75.6	59.6	[49.5]	39.8	27.1	[49.8]
1884	16.2	19.5	34.6	46.8	60.4	69.7	73.2	68.7	67.7	55.7	36.5	14.1	46.9
1885	11.0	15.2	34.9	49.8	57.8	68.7	73.6	69.0	62.7	47.2	37.5	28.9	46.4
1886	6.1	26.0	30.9	50.1	65.3	68.7	75.7	75.0	64.1	57.0	32.9	18.0	47.5
1887	13.4	19.0	37.8	55.1	64.7	71.0	76.2	72.3	64.9	50.4	38.6	23.0	48.8
1888	9.5	27.3	29.2	53.5	56.8	70.3	78.0	72.4	61.2	46.8	34.0	29.5	47.4
1889	25.7	23.9	42.6	54.0	61.0	68.4	74.2	72.4	63.0	51.6	35.6	39.9	51.0
1890	18.9	26.9	33.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.4	23.8	36.7	51.4	60.3	70.0	74.2	72.2	63.8	51.6	37.8	25.5	48.6

SYR ACUSE, NEBR.

1883	14.5	24.3	36.4	57.0	64.2	71.1	81.0	74.0	68.0	52.0	40.0	30.0	51.0
1884	19.4	22.1	37.0	49.2	64.2	77.2	78.0	76.1	72.1	58.4	39.2	19.0	51.0
1885	16.5	17.6	36.8	51.1	64.0	71.3	77.5	71.8	65.6	49.0	38.3	29.5	49.1
1886	8.3	25.3	33.3	51.3	67.2	72.5	79.0	[78.0]	[66.0]	58.1	35.1	19.3	[49.4]
1887	15.9	20.1	38.6	55.2	68.1	74.2	80.3	74.4	66.2	50.6	38.9	23.1	50.5
1888	10.1	27.1	31.2	54.3	59.2	72.4	80.1	73.4	65.3	51.1	38.6	31.8	49.6
1889	24.9	24.1	42.7	54.2	63.7	70.9	74.0	71.2	64.7	51.9	35.5	40.0	51.5
1890	20.0	26.4	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	16.2	23.8	36.2	53.2	64.4	72.8	78.6	74.1	66.8	53.0	37.9	27.5	50.4

Statement showing mean temperatures—Continued.

EMERSON, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1871	.....	.....	.....	.....	.....	73.0	72.4	.....	.....	.....	29.7	15.5	.....
1872	16.4	20.2	31.8	53.0	63.9	73.4	75.0	75.3	62.2	50.5	[30.9]	13.9	[47.7]
1873	12.1	22.7	30.2	44.1	59.8	72.4	73.5	75.0	60.4	45.8	[34.0]	[24.3]	[46.7]
1874	22.4	21.9	33.6	45.2	68.1	75.2	.....	80.2	65.4	.....	35.3	27.3	.....
1875	9.2	13.3	30.0	44.5	66.0	72.4	75.2	[73.7]	66.5	50.4	32.4	32.8	[47.2]
1876	28.1	28.9	29.0	50.1	62.3	.....	.....	.....	62.4	48.9	32.1	18.2	.....
1877	19.0	35.2	34.1	[47.0]	[62.0]	67.9	73.8	73.0	65.3	50.4	35.2	38.3	[50.1]
1878	27.5	34.8	46.4	.....	.....	67.7	76.7	75.2	.....	.....	.....	.....	.....
1879	20.4	27.2	40.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	19.4	26.3	35.2	47.3	63.7	71.7	74.4	75.4	63.7	49.2	32.8	24.3	48.6

DE WITT, NEBR.

1884	19.8	20.4	.....	47.2	61.4	71.3	.....	.....	.....	56.1	36.2	18.0	.....
1885	16.9	18.7	.....	50.0	58.0	.....	74.7	.....	.....	.....	.....	.....	.....
Means	18.4	19.6	.....	48.6	59.7	71.3	74.7	.....	.....	56.1	36.2	18.0	.....

TECUMSEH, NEBR.

1884	.....	.....	.....	.....	.....	72.0	78.6	73.3	72.4	61.2	41.0	19.7	.....
1885	17.3	18.7	38.1	52.4	62.0	73.3	83.8	76.2	67.4	53.0	40.3	30.8	51.1
1886	11.4	.....	.....	.....	.....	.....	.....	83.1	70.0	61.7	37.6	22.0	.....
1887	17.8	22.5	38.5	55.6	68.1	74.7	80.3	74.0	67.0	50.8	39.3	24.8	51.1
1888	11.2	28.3	31.8	53.0	56.9	72.3	81.4	72.0	63.4	46.0	40.6	33.8	49.3
1889	26.0	23.1	41.6	53.5	62.8	70.3	75 2	75.8	64.1	54.0	34.9	[42.0]	[51.0]
1890	19.4	20.3	g 33.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.2	23.8	36.0	53.0	62.4	72.5	79.9	75.8	67.4	54.4	39.0	28.8	51.0

MISSION CREEK, NEBR.

1884	15.8	20 4	29.9	.....	.....	.....	.....	.....	66.3	.....	.....	.....	.....
1885	9.8	.....	.....	.....	58.0	68.0	.....	.....	.....	.....	.....	.....	.....
1886	6.3	25.0	32.5	49.0	.....	08.0	.....	.....	68.0	.....	.....	.....	.....
1887	13.0	21.0	.....	52.0	.....	71.0	.....	.....	.....	.....	.....	.....	.....
Means	11.2	22.1	31.2	50.5	58.0	69.0	.....	.....	67.2	.....	.....	.....	.....

TABLE ROCK, NEBR.

1882	25.0	36.8	40.7	53.0	56.0	74.0	73.0	73.7	67.0	54.6	40.9	26.5	51.8
1883	10.8	[23.0]	34.5	52.4	57.7	66.6	75.4	[72.0]	61.7	48.7	37.9	28.2	[47.4]
1884	16.1	19.5	35.1	47.1	62.1	71.5	75.2	[71.0]	[72.0]	55.7	36.2	19.4	[48.4]
1885	.....	16.7	.....	.....	59.1	74.2	.....	.....	.....	.....	.....	.....	.....
Means	17.3	24.0	36.8	50.8	58.7	71.6	74.5	72.2	66.9	53.0	38.3	23.7	49.0

PAWNEE CITY, NEBR.

1882	26.0	34.4	38.2	51.2	56.0	.....	.....	.....	69.0	55.0	38.1	26.3	.....
1883	.....	.....	.....	.....	63.5	.....	79.9	77.0	66.2	.....	.....	.....	.....
1884	18.6	.....	36.2	49.5	59.1	.....	.....	.....	.....	.....	.....	.....	.....
Means	22.3	34.4	37.2	50.4	59.5	.....	79.9	77.0	67.6	55.0	38.1	26.3	.....

PLATTSMOUTH, NEBR.

1873	.....	.....	.....	.....	.....	.....	74.3	76.8	60.4	.....	36.4	22.3	.....
1874	19.9	20.1	32.2	[41.0]	67.5	74 3	82.4	78.7	64.3	54.1	34.8	25.6	[49.5]
1875	7.7	11.6	29.1	44.8	63.3	71.2	74.1	69.7	62.3	48.9	30.7	32.2	45.5
1870	27.0	28.2	27.9	51.1	63.7	68.6	75.7	74.2	61.4	48.9	30.3	16.8	47.8
1877	17.5	35.0	32.5	49.3	60.0	67.4	73.4	71.8	65.4	49.7	34.0	37.1	49.4
1878	27.2	34.8	46.7	54.0	57.5	66.4	76.9	75.3	63.0	51.1	41.8	19.5	51.2
1879	19.3	26.0	40.8	52.3	65.8	70.5	75.8	73.7	61.6	59.5	37.9	16.9	50.0
1880	34.2	31.1	36.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	21.8	26.7	35.1	48.8	63.0	69.7	76.1	74.3	62.6	52.0	35.1	24.3	49.1

Statement showing mean temperatures—Continued.

NEBRASKA CITY, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1859	.....	.....	.....	.....	64.1	71.4	78.9	75.0	63.2	51.5	39.4	16.0	.....
1868	.....	.....	.....	.....	.....	.....	82.1	72.2	62.8	53.0	37.8	23.0	.....
1869	28.4	27.5	40.3	52.7	60.0	70.3	72.6	75.8	65.2	45.2	34.5	27.5	50.0
1870	23.3	32.1	32.3	55.1	67.0	73.8	78.7	69.4	65.3	52.8	41.5	25.4	51.4
1871	23.4	29.4	41.6	55.2	64.7	75.0	75.3	.....	.....	.....	.....	.....	.....
1874	.....	.....	.....	.....	.....	.....	81.3	79.9	66.1	55.6	.....	.....	.....
1882	.....	.....	.....	.....	.....	.....	.....	83.9	80.9	66.8	35.8	20.5	.....
1883	6.3	17.9	40.2	61.9	.....	.....	.....	.....	.....	.....	.....	.....	.....
1884	18.6	28.0	34.4	46.8	.....	71.0	73.5	.....	67.5	.....	36.8	15.4	.....
1885	11.2	14.9	35.8	46.1	59.5	70.7	[77.0]	69.1	60.0	46.4	38.8	29.1	[46.6]
1886	6.7	25.8	33.1	51.4	65.1	61.0	[78.0]	76.3	63.5	51.8	33.3	16.3	[47.2]
1887	8.4	19.4	38.2	54.1	66.2	72.1	[76.0]	71.8	64.3	48.7	39.6	[24.0]	[48.6]
1888	8.4	26.1	29.9	52.7	56.9	70.8	78.6	71.0	62.8	50.1	36.4	29.9	47.8
1889	23.6	22.6	42.5	53.7	63.5	[70.0]	74.0	[74.0]	[64.0]	49.7	34.9	40.2	[51.0]
1890	19.3	.....	32.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	16.1	24.4	36.5	53.0	63.0	70.7	77.2	74.4	65.5	52.2	37.2	24.3	49.5

HOWE, NEBR.

1889	.....	.....	.....	.....	.....	.....	.....	.....	65.5	54.1	36.8	42.3	.....
1890	20.6	28.4	33.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	20.6	28.4	33.4	.....	.....	.....	.....	.....	65.5	54.1	36.8	42.3	.....

HOWARD, NEBR.

1874	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.9	27.7	.....
1875	10.6	17.4	32.3	45.7	62.6	72.5	73.3	70.3	62.4	49.4	32.6	33.5	46.9
1876	29.0	31.5	29.9	51.9	62.9	71.3	75.2	74.8	63.0	50.3	33.5	18.9	49.4
1877	19.9	35.4	34.7	49.8	60.4	68.8	73.4	72.0	66.2	50.0	35.2	39.2	50.5
1878	29.1	35.9	46.3	54.9	58.8	71.2	77.7	76.6	65.5	[52.0]	42.7	21.3	[52.7]
1879	20.9	27.8	42.4	53.1	66.2	71.0	77.3	74.4	62.8	59.5	40.4	19.6	51.3
1880	36.0	36.4	34.1	53.4	68.8	71.7	71.7	75.2	63.4	51.0	27.3	20.4	50.8
1881	13.7	19.2	33.9	47.5	67.9	.....	75.1	81.3	68.0	.....	.....	.....	.....
Means	22.7	29.1	36.2	50.9	66.9	71.1	74.8	74.9	64.5	52.1	36.4	25.8	50.2

PERU (ON MISSOURI RIVER) NEBR.

1867	.....	.....	.....	.....	.....	71.8	.....	.....	.....	.....	.....	.....	.....
1869	27.7	30.4	33.2	.....	.....	68.1	.....	.....	.....	.....	.....	.....	.....
1882	.....	.....	40.0	52.4	.....	70.0	70.0	71.7	66.1	.....	39.8	25.3	.....
1883	12.3	21.1	36.3	53.8	58.2	68.1	72.0	69.1	52.0	50.0	39.7	29.5	46.8
1884	14.1	27.6	37.5	.....	62.4	68.5	76.4	.....	.....	.....	.....	.....	.....
Means	18.0	26.4	36.8	53.1	60.3	69.3	72.8	70.4	59.0	50.0	39.8	27.4	48.6

BROWNVILLE, NEBR.

1858	.....	.....	.....	.....	60.1	74.3	79.6	76.5	67.0	53.0	32.7	24.7	.....
1859	28.0	26.9	42.9	.....	68.3	74.8	.....	.....	.....	54.8	.....	.....	.....
1885	.....	.....	.....	.....	.....	71.1	.....	.....	.....	.....	.....	.....	.....
1886	[6.0]	28.1	36.3	[53.0]	[66.0]	71.0	77.7	78.0	68.7	60.5	38.9	22.0	[50.5]
1887	16.8	23.5	40.9	57.0	69.2	77.6	83.4	76.6	71.0	54.5	45.7	28.0	53.7
1888	10.2	29.2	40.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	.....	71.4	76.3	75.1	.....	.....	.....	.....	.....
Means	15.2	26.9	40.0	55.0	65.9	73.4	79.2	76.6	68.9	55.7	39.1	24.9	51.7

DAWSON, NEBR.

1884	17.2	24.7	32.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1885	14.0	14.6	36.4	.....	.....	.....	.....	75.0	67.5	53.5	44.0	.....	.....
1886	10.8	29.2	37.0	53.0	.....	.....	.....	.....	.....	.....	39.2	22.2	.....
1887	13.4	24.0	41.0	55.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	13.8	23.1	36.8	54.0	.....	.....	.....	75.0	67.5	53.5	41.6	22.2	.....

Statement showing mean temperatures—Continued.

JOHNSON, NEBR.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1883	.....	.....	34.4	52.8	57.0	70.2	77.5	72.9	64.1	47.6	38.3	28.0	.....
1884	15.8	19.7	35.4	47.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.8	19.7	34.9	49.9	57.0	70.2	77.5	72.9	64.1	47.6	38.3	28.0	48.0

STELLA, NEBR.

1883	.....	.....	.....	.....	61.1	71.4	.....	.....	.....	.....	38.9	29.0	.....
1884	15.9	20.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	15.9	20.5	.....	.....	61.1	71.4	.....	.....	.....	.....	38.9	29.0	.....

FALLS CITY, NEBR.

1884	.....	21.4	.....	48.9	60.5	70.2	76.5	.....	70.2	59.2	42.0	21.1	.....
1885	15.3	.....	37.6	.....	.....	.....	.....	71.1	64.5	48.1	40.9	30.4	.....
1886	[11.0]	28.3	36.0	[52.0]	67.2	72.6	78.7	79.6	71.1	60.3	37.7	19.7	[51.2]
1887	15.0	23.5	38.0	55.1	[67.5]	[73.0]	78.2	73.4	65.3	49.7	37.9	23.8	[50.0]
1888	10.8	28.2	33.0	55.7	59.3	72.4	80.0	73.1	65.1	51.9	37.0	31.3	49.8
1889	26.2	22.4	40.9	54.2	61.9	69.3	75.6	74.0	63.9	53.8	38.1	43.8	52.0
1890	27.0	31.4	39.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	17.6	25.9	37.4	53.2	63.3	71.5	77.8	74.2	66.7	53.8	38.9	28.7	50.8

MONUMENT, KANS.

1885	14.1	20.2	34.1	50.8	55.0?	73.3	76.6	69.7	62.3	47.7	40.9	32.5	48.5
1886	12.3	33.7	34.9	45.4	64.9	[72.0]	68.7?	[78.0]	63.0	57.4	39.7	30.9	[50.1]
1887	27.7	26.7	42.5	51.1	71.0	80.6	85.0	74.0	68.0	46 0	38.0	24.0	52.9
1888	20.0	39.0	.....	.....	.....	.....	.....	.....	.....	55.2	.....	.....	.....
1889	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41.8	.....
1890	.....	31.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	18.5	30.2	37.2	49.1	63.6	75.3	73.4	73.9	64.4	51.6	39.5	32.3	50.8

ALLISON, KANS.

1883	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.4	30.2	.....
1884	20.4	20.8	35.3	44.5	57.1	71.2	74.3	68.0	66.5	54.0	34.5	16.9	47.0
1885	14.3	22.5	37.8	53.6	58.8	71.0	76.6	71.3	67.7	49.8	40.8	32.3	49.7
1886	13.6	33.8	35.9	49.1	67.7	72.1	77.5	77.5	67.3	57.2	30.5	26.3	50.7
1887	26.2	25.0	39.6	52.0	66.7	73.8	78.0	75.0	.....	.....	.....	.....	.....
1889	19.3	22.4	37.1	52.2	60.5	68.6	74.8	74.6	62.0	50.1	31.0	35.1	49.0
1890	18.5	23.4	33.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	18.7	24.6	36.6	50.3	62.2	71.3	76.2	73.3	65.9	52.8	34.6	28.2	49.6

BUFFALO PARK, KANS.

1885	19.6	28.3	40.3	56.6	68.5	72.1	76.8	76.8	67.2	51.8	44.2	35.1	53.1
1886	13.9	33.9	.....	.....	74.7	.....	76.2	.....	67.3	60.8	35.5	35.3	.....
1887	26.4	31.4	49.6	58.1	71.0	85.0?	83.0	79.0	68.0	52.0	42.0	29.0	56.3
1888	24.0	41.0	.....	.....	59.0	70.0	.....	.....	.....	.....	.....	.....	.....
1889	.....	.....	.....	.....	64.4	73.1	.....	.....	.....	.....	.....	41.2	.....
1890	.....	32.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	21.0	33.4	45.0	57.4	67.5	75.0	78.7	77.9	67.5	54.9	40.6	32.6	54.3

Statement showing mean temperatures—Continued.

CONCORDIA, KANS.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1885	.....	.....	.....	.....	58.3	70.4	74.0	71.1	65.6	50.0	41.8	33.4	.....
1886	10.5	30.7	35.0	51.0	66.2	69.9	76.6	75.9	68.7	59.7	37.3	24.2	50.5
1887	21.7	24.3	42.4	55.9	60.2	72.7	77.7	73.0	66.4	52.9	41.7	26.6	51.8
1888	15.5	32.4	33.5	55.7	58.9	72.8	80.7	74.1	66.2	53.2	40.2	36.2	51.6
1889	20.0	26.2	44.1	55.0	62.4	70.5	75.7	74.0	64.0	53.1	36.6	42.0	52.8
1890	21.0	20.4	38.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	19.5	28.0	38.6	54 6	62.4	71.3	77.1	73.6	66.2	53.8	37.5	32.5	51.3

FORT RILEY, KANS.

1853	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44.1	30.7	.....
1854	24.7	38.0	40.7	57.0	64.0	72.7	83.7	84.8	72.3	64.6	43.2	36.2	57.3
1855	29.5	29.4	38.7	63.4	71.1	73.8	81.6	74.4	75.5	56.2	42.8	23.7	55.0
1856	11.0	25.9	38.2	60.2	66.9	80.1	84.9	76.1	68.0	60.3	38.1	20.3	52.5
1857	9.4	31.6	39.0	44.8	59.9	74.9	82.0	77.3	70.4	55.1	36.8	37.4	51.6
1858	38.6	26.0	50.1	54.4	61.2	74.3	79.8	75.4	71.7	58.0	34.6	28.0	54.3
1859	33.1	34.4	47.9	51.2	67.3	75.2	83.2	79 0	69.8	48.1	44.8	21.3	54.6
1860	29.3	36.5	52.4	61.0	73.4	79.0	86.0	82.0	73.8	61.2	42.2	28.5	58.9
1861	21.7	36.1	45.1	58.1	64.7	78.1	78.2	78.7	69.8	50.1	34.4	21.2	53.0
1862	11.0	25.9	41.3	53.3	69.1	78.2	83.3	82.6	75.1	60.2	44.0	40.1	55.4
1863	36.3	29.8	41.5	60.0	70.3	72.5	76.7	78.9	75.7	51.8	43.7	28.7	55.5
1864	27.0	39.6	42.0	54.0	70.8	78.1	86.4	81.5	76.1	55.6	40.0	28.1	56.6
1865	29.4	35.8	38.1	52.7	67.8	76.0	76.4	78.5	75.9	59.2	48.0	21.8	55.0
1866	28.6	33.2	39.6	59.3	67.1	[75.9]	[80.9]	[78.1]	[70.3]	62.2	50.0	30.1	[56.3]
1867	22.0	31.9	25.6	54.3	01.1	77.0	77.3	78.8	70.3	59.3	46.5	35.6	53.3
1868	17.7	31.9	50.0	49.2	68.0	77.1	86.8	73.6	60.9	54.0	37.2	25.5	52.7
1869	31.2	31.4	37.4	54.6	62.9	71.0	76.6	78.8	64.2	46.4	37.9	28.7	51.5
1870	28.9	36.0	36.8	56.0	68.3	74.5	83.1	73.3	07.2	55.3	43.0	27.2	54.1
1871	27.0	34.4	46.3	55.8	66.7	70.0	79.8	70.5	66.8	56.6	34.3	22.9	53.9
1872	28.4	31.1	37.6	56.1	66.5	76.2	79.2	78.3	05.5	55.6	33.1	18.9	51.8
1873	18.5	29.3	42.8	47.5	04.5	76.9	78.5	80.6	65.6	50.8	41.6	26.8	52.0
1874	25.7	24.7	39.1	49.3	69.6	77.2	.....	.....	.....	.....	.....	.....	.....
1875	13.2	21.0	36.8	48.9	65.7	75.8	78.7	74.9	68.0	53.7	33.7	38.4	.....
1876	33.1	34.8	32.7	57.0	65.9	71.9	.....	.....	.....	.....	.....	.....	.....
1882	.....	.....	.....	.....	n 61.2	74.3	74.7	77.0	71.5	57.4	39.0	.....	.....
1883	.....	24.4	37.3	57.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	11.2	31.1	39.7	55.6	71.4	76.0	81.3	79.9	72.4	61.8	39.8	24.3	.....
1887	21.7	28.0	43.1	59.0	71.3	77.4	82.3	75.7	69.3	54.0	43.5	27.4	.....
Means*	24.2	31.2	41.0	54.7	66.8	75.9	80.9	78.1	70.3	56.2	40.6	28.2	54.0

* The data from 1875 to 1877 were added to the table after the averages for charting had been computed.

OREGON, MO.

1867	21.0	32.2	25.0	50.8	57.9	73.7	75.8	76.8	67.8	56.4	45.9	33.7	51 4
1868	17.1	30.5	32.6	47.2	66.0	73.0	83.7	71.6	60.5	54.7	38.9	23.8	50.0
1869	30.8	30.8	35.9	49.2	60.7	68.8	74.2	76.8	64.4	45.5	36.0	29.7	50.2
1870	25.7	33.8	33.8	55.4	67.2	72.7	79.6	71.0	67.3	55.8	45.2	28.7	53.0
1871	26.4	37.4	43.7	55.8	64.1	74.7	75.6	73.7	63.5	55.5	35.2	21.3	52.2
1872	21.4	29.8	33.7	54.2	63.0	73.9	75.5	75.1	64.0	55.1	32.2	[27.3]	[50.4]
1878	.....	.....	.....	.....	.....	.....	.....	77.6	66.7	53.9	44.9	20.4	.....
1879	20.2	29.3	43.8	54.6	67.7	71.1	77.1	74.9	65.4	61.3	41.4	21.9	52.4
1880	38.0	34.8	30.9	60.3	69.5	[73.0]	75.2	75.6	61.5	51.8	28.8	21.2	[52.5]
1881	15.0	21.2	33.0	48.4	68.8	.....	79.2	81.9	70.0	.....	.....	.....	.....
1882	28.1	38.8	43.5	54.5	62.3	.....	.....	.....	.....	.....	46.0	27.3	.....
1883	14.6	23.1	36.5	.....	.....	.....	.....	71.3	62.8	50.9	41.3	31.5	.....
1884	17.9	23.8	37.8	49.3	61.4	70.6	[70.0]	[71.3]	[70.7]	58.9	41.1	20.3	[49.9]
1885	14.2	17.2	37.1	51.7	63.5	70.3	77.9	72.8	[67.0]	51.4	41.5	31.3	[49.7]
1886	10.7	28.1	36 0	53.9	68.1	71.8	78.6	78.4	69.4	60.7	[40.0]	[24.0]	[51.7]
1887	17.2	25.6	40.2	56.4	67.8	[73.0]	78.8	73.6	66.0	51.9	41.7	25.7	[51.5]
1888	12.8	28.9	34.5	55.7	[59.0]	71.1	78.3	72.6	65.1	53.0	42.0	33.4	[50.5]
1889	26.9	25.4	43.8	54.8	63.1	70.2	73.5	[73.0]	63.7	52.7	[38.0]	42.9	[52.3]
Means	21.1	28.0	37.1	53.3	64.4	72.0	77.3	74.6	65.6	54.3	40.0	27.3	51.3

ATCHISON, KANS.

1865	.....	.....	.....	.....	62.0	72.3	72.9	74.9	72.5	54.6	43.3	20.8	.....
1866	23.9	26.3	34.2	53.9	59.7	.....	.....	.....	.....	.....	42.4	29.8	.....
1867	20.2	30.6	24.0	49.8	57.1	73.9	75.7	75.4	68.6	56.0	42.5	32.7	50.5
1868	16.6	29.6	[46.8]	48.4	65.8	73.7	84.2	71.3	61.3	53.8	38.4	24.0	[51.2]
1869	30.1	30.8	35.8	51.3	61.5	69.0	75.3	78.3	64.1	45.2	36.4	29.8	50.6
1870	27.2	33.4	36.2	55.6	67.5	73.0	80.7	72.2	67.6	55.8	43.3	27.4	53.3
1871	27.6	33.0	45.7	56.6	66.0	76.6	77.5	75.9	62.2	55.5	35.9	22.4	52.0
1872	21.9	30.0	34.1	54.4	64.0	73.2	76.4	74.9	64.3	52.3	31.1	17.8	49.5
1873	16.1	26.8	40.0	47.4	62.2	75.2	76.2	77.9	65.1	49.9	40.1	28.6	50.5
1874	24.9	24.9	37.0	46.5	68.5	74.7	80.3	81.0	66.5	55.4	38.4	[29.0]	[52.3]
1875	[14.5]	16.9	35.7	50.2	64.8	74.7	76.6	[72.3]	[65.7]	50.5	31.1	37.9	[49.5]
1876	31.5	35.2	32.0	54.0	64.9	71.0	77.2	76.8	64.5	51.6	33.2	17.5	50.8
1884	[15.0]	25.0	29.8	50.2	62.5	71.0	76.4	72.1	72.0	58.7	40.6	22.2	[49.6]
1885	16.2	18.7	38.7	52.6	61.8	71.6	78.2	72.9	65.9	50.9	41.2	31.5	50.0
1886	12.8	.....	37.5	53.3	65 7	71.9	79.8	79.4	71.1	.....	.....	.....	.....
Means	21.3	27.8	36.2	51.7	63.6	73.0	77.7	75.4	66.5	53.1	38.6	26.5	51.0

Statement showing mean temperatures—Continued.

HOLTON, KANS.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1867	.....	.....	.....	.....	58.6	75.1	76.6	76.8	68.1	55.0	43.9	33.6	.....
1868	16.9	30.2	48.3	48.8	67.9	75.9	86.8	72.9	61.6	52.4	38.2	24.7	52.0
1869	30.4	31.5	36.3	51.2	62.2	70.5	77.0	79.3	64.8	44.7	37.4	30.2	51.3
1870	27.3	34.4	35.4	56.2	67.5	75.1	82.7	72.8	67.0	55.4	42.2	27.5	53.6
1871	27.0	32.8	45.4	57.7	67.6	81.0	79.4	77.2	65.6	55.7	35.1	21.8	53.9
1872	23.2	30.2	36.0	54.8	65.8	77.7	80.0	78.5	65.6	53.0	31.1	19.3	51.3
1873	18.0	27.7	40.0	62.1	[64.4]	75.3	76.9	78.2	63.8	50.0	41.0	28.5	[52.2]
1874	26.7	25.8	38.0	46.0	70.0	76.5	[82.0]	83.4	66.4	56.6	38.6	29.8	[53.3]
1875	14.3	19.2	36.0	47.5	66.5	76.9	74.0	72.8	66.0	52.0	34.3	38.0	49.7
1876	32.0	33.9	33.0	50.2	64.2	70.0	78.0	77.8	.....	.....	.....	.....	.....
1878	[27.0]	35.0	48.0	63.3	62.3	72.1	81.6	79.6	68.3	54.6	44.0	22.4	[54.8]
1879	22.1	30.8	40.0	55.3	73.7	73.1	79.5	78.5	65.8	63.2	43.1	24.0	54.8
1880	39.5	35.5	40.7	57.5	71.0	75.8	78.0	77.0	66.4	52.0	28.3	22.1	53.6
1881	17.4	26.3	34.8	53.3	70.3	76.8	80.3	81.9	71.3	57.6	39.4	38.2	54.0
1882	30.1	38.8	45.0	57.0	59.6	75.4	73.8	76.1	71.2	59.5	43.2	29.1	54.9
1883	17.2	22.0	38.0	55.0	59.5	72.4	73.0	70.0	63.0	50.2	40.1	30.3	49.2
1884	19.0	24.0	42.0	.....	.....	.....	.....	.....	.....	57.8	41.1	.....	.....
1885	16.7	.....	37.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	23.8	29.9	40.2	54.4	65.6	75.0	78.7	77.0	66.3	54.4	38.8	28.0	52.7

TOPEKA, KANS.

1878	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.4	45.5	21.2	.....
1879	23.0	33.5	48.6	58.0	70.8	.....	.....	.....	.....	.....	.....	.....	.....
1880	.....	.....	.....	.....	.....	.....	78.1	75.8	68.6	50.8	27.8	22.1	.....
1881	16.9	23.0	34.6	50.8	68.6	75.8	80.5	83.1	70.4	58.1	38.1	39.4	53.3
1882	30.0	39.0	43.9	55.1	58.6	72.4	72.8	72.1	69.5	60.3	40.1	20.5	53.6
1883	17.8	25.7	39.4	56.3	62.0	71.7	78.0	73.5	65.1	53.5	43.3	33.1	51.6
1884	19.6	28.8	42.5	51.3	62.3	73.8	77.2	71.3	73.9	61.7	44.4	23.3	52.5
1885	17.2	20.0	41.3	55.8	61.8	74.0	78.5	73.8	67.9	54.1	45.4	35.2	52.1
1886	14.7	35.5	40.1	58.7	69.3	71.1	80.5	80.5	72.8	62.1	42.2	24.4	54.3
1887	23.5	28.1	32.5	57.2	68.6	73.0	78.5	73.0	67.0	52.0	42.0	28.0	52.0
1888	18.0	33.0	38.0	56.0	61.0	72.0	77.0	71.0	61.3	49.1	35.6	31.3	50.3
1889	26.0	23.4	40.8	54.8	63.0	74.2	75.0	72.2	63.2	52.9	37.4	45.1	52.3
1890	25.8	32.5	37.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	21.1	29.3	40.0	55.4	64.6	73.1	77.6	74.6	68.0	55.4	40.2	30.2	52.3

LEAVENWORTH, KANS.

1871	.....	.....	.....	.....	.....	77.3	77.6	72.8	70.7	56.2	36.4	24.1	.....
1872	24.7	30.9	36.3	56.6	64.5	76.5	78.2	77.9	67.0	55.8	34.9	21.0	52.0
1873	18.7	29.7	41.6	48.1	63.4	75.2	77.2	78.5	64.7	50.6	41.7	31.5	51.7
1874	28.5	28.9	39.8	48.3	69.5	76.3	82.3	81.1	66.1	56.7	40.6	32.6	54.2
1875	15.1	20.5	37.3	49.5	65.2	76.2	78.0	72.9	66.3	54.4	36.9	39.9	51.0
1876	35.9	38.3	37.3	55.2	65.1	70.9	78.4	77.8	65.6	53.3	37.4	23.3	53.2
1877	23.9	39.5	36.8	53.6	63.7	71.5	76.2	75.1	67.8	54.5	39.1	44.1	53.8
1878	33.9	40.0	50.6	58.5	61.8	70.0	79.7	78.5	67.6	55.2	45.9	23.2	55.4
1879	23.6	32.8	46.3	54.8	68.3	73.1	79 3	77.0	65.4	62.0	44.6	26.4	54.5
1880	41.4	37.9	42.2	55.4	70.1	73.9	76.9	76.5	65.2	52.4	31.7	25.6	54.1
1881	20.5	25.1	36.5	50.1	69.8	76.8	80.2	81.7	70.1	58.4	40.2	40.2	54.1
1882	32.4	42.0	45.8	56.1	58.7	73.5	72.5	73.2	68.8	58.9	43.3	31.6	54.7
1883	19.4	27.9	39.4	56.3	60.8	71.1	76.8	72.7	63.4	53.0	44.0	35.1	51.7
1884	21.1	27.9	41.3	50.8	62.0	72.1	77.3	71.8	71.7	59.4	43.1	24.1	51.9
1885	19.0	21.6	40.1	52.7	61.8	72.2	77.9	73.5	66.1	52.3	43.5	32.8	51.5
1886	14.4	30.2	39.2	54.4	68.1	71.2	78.4	78.8	70.5	59.7	40.0	23.7	52.4
1887	20.7	28.9	42.7	57.3	67.9	73.3	79.2	73.3	66.7	52.6	42.8	27.2	52.7
1888	16.3	31.4	37.0	56.5	60.5	72.2	80.0	74.2	67.0	54.5	40.7	35.8	52.2
1889	29.8	27.5	45.2	55.4	63.8	70.6	76.8	74.0	64.7	54.2	39.2	45.3	53.9
1890	28.1	32.3	37.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	24.6	31.2	40.7	53.9	64.7	73.4	78.0	75.9	67.1	55.5	40.3	30.9	53.1

FORT WALLACE AND WALLACE, KANS.

1873	.....	.....	.....	.....	.....	76.7	80.3	80.6	66.5	56.0	43.8	30.5	.....
1874	28.8	24.7	33.1	47.2	66.0	76.9	.....	.....	.....	.....	.....	.....	.....
1876	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37.9	25.3	.....
1877	25.7	36.6	43.8	48.5	62.9	70.9	79.5	76.0	66.9	46.8	36.3	28.1	51.8
1878	30.6	34.9	45.7	53.7	59.4	69.3	80.5	79.6	64.0	52.0	[43.0]	[23.0]	[53.0]
1885	15.6	25.9	41.4	55.8	58.0	[72.0]	[77.5]	68.6	65.5	53.2	43.2	37.6	[51.2]
1886	15.1	.....	41.5	53.6	72.3	.....	87.8	.....	.....	.....	.....	.....	.....
Means	23.2	30.5	41.1	51.8	63.7	73.2	81.1	76.2	65.7	52.0	40.8	28.9	52.4

APPENDIX NO. 4.

Average daily and hourly wind movement at Omaha and North Platte, Nebr., deduced from seven years' record (1883 to 1889 inclusive).

OMAHA, NEBR.

75th meridian time.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Hourly average.
Midnight	8.5	8.2	7.8	8.2	6.6	5.5	5.4	6.4	6.4	7.1	7.7	8.3	7.09
1	8.5	8.2	7.8	8.0	6.5	5.4	6.6	5.2	6.5	6.9	7.7	8.2	7.04
2	8.4	8.2	7.7	8.1	6.3	5.4	5.4	5.2	6.1	6.6	7.6	8.2	6.93
3	8.3	8.4	7.8	8.0	6.4	5.3	5.3	5.0	5.8	6.4	7.6	8.4	6.89
4	8.1	8.2	7.5	7.9	6.3	4.9	5.1	4.6	5.8	6.2	7.3	8.1	6.67
5	7.8	8.2	7.6	7.7	6.3	4.9	4.6	4.6	5.6	6.1	7.1	8.2	6.56
6	7.9	8.1	7.4	7.5	6.2	4.6	4.5	4.6	5.6	6.0	7.2	8.1	6.48
7	8.0	7.9	7.7	7.6	6.2	4.8	4.3	4.6	5.7	6.0	7.2	8.2	6.52
8	7.8	8.0	7.8	7.8	6.6	5.6	4.6	5.1	5.9	5.9	7.2	8.2	6.71
9	8.1	8.1	8.2	9.0	7.8	6.6	6.7	5.9	6.8	6.6	7.5	8.2	7.38
10	8.4	8.5	9.0	10.0	9.0	7.3	6.6	6.6	7.8	7.6	8.5	8.4	8.14
11	9.2	9.2	9.5	10.6	10.0	7.8	7.2	7.1	8.5	8.9	9.5	9.0	8.88
Noon	9.7	9.6	9.8	11.3	10.6	8.5	7.6	8.0	9.3	9.6	9.9	9.6	9.46
1	10.1	10.1	10.3	11.9	11.0	8.9	8.0	8.4	10.0	9.9	10.3	10.0	9.91
2	10.6	10.4	10.5	12.4	11.2	9.3	8.2	8.5	10.3	10.6	10.5	10.4	10.24
3	10.8	10.8	10.7	12.8	11.5	9.2	8.7	8.6	10.4	11.0	10.8	10.3	10.47
4	10.8	10.7	10.9	12.6	11.4	9.2	8.8	8.5	10.5	10.9	10.7	10.3	10.44
5	10.3	10.5	10.7	12.6	11.4	9.2	8.5	8.2	9.9	10.3	10.2	9.7	10.12
6	9.5	9.9	10.1	11.8	11.1	8.8	8.1	7.9	9.0	9.1	8.9	8.6	9.40
7	8.6	9.0	9.7	10.8	10.3	8.1	7.2	6.9	7.6	7.4	8.2	8.4	8.52
8	8.4	8.3	8.4	9.5	8.9	7.3	6.3	5.7	6.2	6.7	8.0	8.5	7.68
9	8.6	8.2	7.9	8.4	7.4	6.1	5.5	5.1	6.2	6.9	8.1	8.8	7.27
10	8.7	8.1	8.0	8.4	6.7	5.5	5.1	5.1	6.2	6.9	8.0	8.6	7.11
11	8.9	8.2	8.2	8.2	6.8	5.6	5.4	5.2	6.4	7.1	8.0	8.4	7.20
Daily average	214.0	213.0	211.0	231.1	202.5	163.8	151.7	150.0	178.5	186.7	203.7	211.1	193.1

NORTH PLATTE, NEBR.

Midnight	7.1	7.4	7.4	10.5	9.5	9.5	8.6	8.1	9.2	7.8	6.4	6.6	8.18
1	7.4	7.3	7.2	10.1	9.3	9.2	8.8	7.5	9.0	7.5	6.5	6.6	8.03
2	7.0	7.5	7.6	9.9	9.2	9.1	8.4	7.5	8.5	7.5	6.4	6.4	7.92
3	6.8	7.2	7.4	9.5	8.8	8.4	8.3	7.4	8.1	7.4	6.6	6.2	7.68
4	7.1	7.2	7.3	9.4	8.5	8.2	7.6	6.8	7.9	6.9	6.4	6.1	7.45
5	7.0	7.2	7.1	8.9	8.5	8.0	7.3	6.2	7.5	6.6	6.4	6.1	7.23
6	7.0	7.4	7.0	8.8	8.5	7.6	6.7	5.8	7.1	6.5	6.3	5.9	7.05
7	6.8	7.3	7.0	8.8	8.2	6.9	6.6	5.7	6.7	6.7	6.2	6.0	6.91
8	6.6	7.1	7.3	8.6	8.4	6.8	6.6	5.8	6.5	6.5	6.4	6.0	6.88
9	6.7	7.1	7.3	10.2	9.8	8.3	7.2	6.7	7.1	6.5	6.5	6.4	7.45
10	6.4	7.3	8.4	11.8	10.9	9.5	8.0	8.2	9.0	7.3	6.4	6.1	8.28
11	7.0	8.2	9.7	13.3	11.9	10.4	9.0	9.1	10.4	9.2	7.5	6.5	9.35
Noon	7.9	9.2	10.8	14.4	12.8	11.0	9.6	9.5	11.2	10.8	8.7	7.7	10.30
1	9.3	10.2	11.3	15.2	12.8	11.5	10.1	9.8	11.5	11.6	9.8	8.5	10.96
2	9.7	10.7	11.4	15.3	12.5	12.0	10.7	10.1	11.8	12.1	10.7	9.3	11.36
3	10.1	11.1	11.6	16.4	12.6	12.3	10.9	10.8	12.2	12.5	11.1	9.6	11.68
4	10.1	11.4	12.1	15.4	12.7	12.4	11.0	10.7	12.4	12.5	11.4	9.7	11.82
5	9.8	11.2	12.2	15.0	13.3	12.5	11.4	11.0	12.3	12.4	11.1	9.3	11.79
6	8.9	10.4	11.7	14.6	12.9	12.9	11.4	11.2	12.5	11.7	9.4	8.1	11.31
7	8.1	9.3	10.6	14.0	12.8	12.7	11.3	11.0	11.4	9.9	7.4	7.4	10.49
8	7.4	8.2	9.1	12.5	12.0	12.4	10.7	9.9	9.8	8.4	6.7	7.2	9.52
9	7.2	7.7	8.2	10.7	10.7	11.2	9.9	9.0	9.1	8.3	6.7	7.0	8.81
10	7.1	7.4	7.7	10.4	9.7	9.6	8.9	8.5	9.0	8.2	6.2	6.9	8.30
11	7.1	7.5	7.7	10.8	9.9	9.4	8.9	8.1	9.2	8.2	6.4	6.9	8.34
Daily average	185.6	202.5	215.1	283.5	256.2	241.8	217.9	204.4	229.4	213.0	183.6	172.1	217.09

Appendix No. 5.

Corrections (in degrees and tenths Fahrenheit) for Omaha, Nebr., to be applied to the temperature at any hour, in any month of the year, in order to reduce such temperature to the true mean of the day.

The figures without sign indicato that the corrections are additive, those proceded by the minus sign indicate that the corrections are subtractive.

[Deduced from observations from January, 1877, to June, 1888, supplemented by a few months of hourly eye-readings and a year's record of automatically recorded readings.]

Hour (local time).	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Midnight	1.4	2.0	2.8	2.9	4.0	4.7	4.1	3.7	3.6	2.4	1.7	1.7	2.9
1	2.0	2.7	3.7	3.9	4.9	5.6	4.8	4.7	4.5	3.6	2.6	2.4	3.8
2	2.6	3.4	4.6	5.0	5.5	6.3	5.5	5.7	5.4	4.7	3.4	2.7	4.6
3	3.2	3.9	5.3	5.0	6.0	6.8	6.1	0.5	6.2	5.4	4.0	3.1	5.2
4	3.8	4.5	6.0	6.6	6.6	7.3	6.7	7.3	6.8	6.1	4.6	3.4	5.8
5	4.5	5.0	6.7	7.3	7.0	7.5	7.2	7.8	7.3	6.0	5.1	3.7	6.3
6	4.8	5.6	7.0	7.4	6.0	6.5	6.6	7.1	7.2	6.8	5.4	4.0	6.2
7	4.6	5.7	6.0	6.0	4.7	4.1	5.0	4.9	5.5	5.9	5.2	3.7	5.1
8	3.9	4.4	4.2	3.8	2.8	1.9	2.5	2.4	3.3	4.7	3.6	2.9	3.4
9	2.9	2.8	1.9	1.6	0.8	0.1	0.4	−0.1	0.8	1.5	1.9	1.9	1.4
10	1.3	1.1	−0.3	−0.8	−1.2	−1.7	−1.4	−2.3	−1.5	−0.9	0.1	0.8	−0.6
11	−0.7	−0.6	−2.1	−3.0	−2.9	−3.5	−3.0	−3.8	−3.7	−3.1	−1.7	−1.1	−2.4
Noon	−2.3	−2.4	−3.9	−4.5	−4.5	−4.6	−4.4	−5.1	−5.6	−5.0	−3.8	−2.6	−4.1
1	−3.9	−4.3	−5.5	−5.9	−5.7	−5.4	−5.6	−6.4	−6.9	−6.5	−5.4	−3.9	−5.4
2	−5.2	−5.7	−6.7	−7.0	−6.7	−6.3	−6.4	−7.3	−7.8	−7.4	−6.0	−5.0	−6.5
3	−5.8	−6.4	−7.2	−7.7	−7.1	−6.9	−7.1	−7.6	−8.2	−7.7	−6.5	−5.3	−7.0
4	−5.6	−6.3	−7.2	−7.5	−7.1	−7.2	−7.3	−7.3	−7.8	−7.3	−6.0	−4.7	−6.7
5	−4.0	−5.5	−5.9	−6.3	−6.8	−7.3	−7.1	−6.3	−6.8	−5.8	−4.5	−3.6	−5.9
6	−3.3	−4.1	−4.5	−4.5	−6.1	−6.7	−6.4	−4.8	−4.8	−3.8	−3.3	−2.7	−4.6
7	−2.5	−3.0	−3.2	−3.1	−4.3	−4.9	−4.8	−3.1	−2.8	−2.3	−2.1	−1.8	−3.2
8	−1.7	−2.1	−2.0	−1.8	−1.8	−2.0	−1.8	−1.3	−1.0	−1.2	−1.0	−0.7	−1.5
9	−0.8	−1.1	−0.8	−0.5	0.3	0.9	1.1	0.4	0.8	−0.2	−0.1	−0.2	−0.2
10	−0.0	0.1	0.3	0.6	1.6	2.0	2.2	1.8	1.8	0.8	0.6	0.5	1.0
11	0.8	1.1	1.5	1.6	2.8	2.0	3.2	2.9	2.7	1.0	1.2	1.4	2.0
Combinations:													
6, 6	0.7	0.8	1.2	1.4	0.2	−0.1	0.1	1.2	1.2	1.5	1.0	0.6	0.8
7, 7	1.0	1.4	1.4	1.4	0.2	−0.4	0.1	0.9	1.4	1.8	1.6	1.0	1.0
8, 8	1.1	1.2	1.1	1.0	0.5	0.0	0.4	0.6	1.2	1.8	1.3	1.1	−0.9
6, 12, 6	−0.3	−0.3	−0.5	−0.5	−1.3	−1.6	−1.4	−0.9	−1.1	−0.7	−0.6	−0.4	−0.8
7, 12, 7	−0.1	+0.1	−0.4	−0.5	−1.4	−1.8	−1.4	−1.1	−1.0	−0.5	−0.2	−0.2	−0.7
7, 2, 9+9	−0.6	−0.6	−0.6	−0.5	−0.4	−0.1	0.2	−0.4	−0.2	−0.5	−0.4	−0.4	−0.4
Max.+Min.÷2	0.0	−0.3	[−0.6]	−0.4	−0.1	0.3	0.5	0.1	−0.2	−0.5	−0.6	−0.2	−0.2

Chart No. I.

Normal Precipitation. Annual.

inches

NEBRASKA

Normal Precipitation. April.

Chart No. 2.

inches

Scale

Atlas historique et géographique du Texas.

Chart No. 3

Normal Precipitation. May.

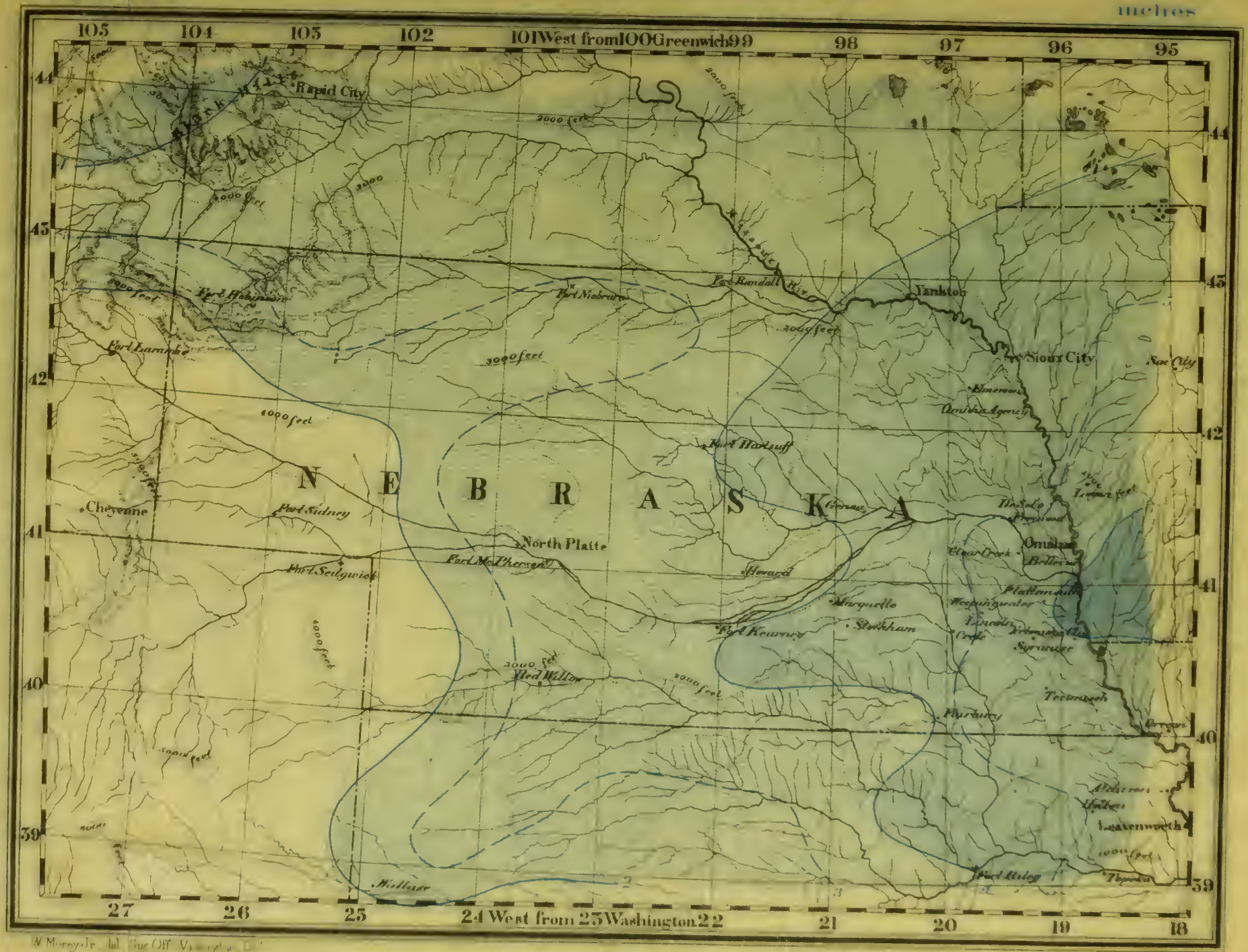
inches

Scale

Chart No. 4.

Normal Precipitation. June.

inches



Carte de la Turquie d'Europe et d'Asie.

Chart No. 5.

Normal Precipitation. July.

inches

Nebraska Irrigation Map

Normal Temperature. Annual.

Chart No. 6.

degrees Fahrenheit

Chart No. 7

Normal Temperature. April.

degrees Fahrenheit

W. Morey, Jr. del. Gur. Off. Washington, D.C.

NEBRASKA

Normal Temperature. May.

Chart No. 8

degrees Fahrenheit

NEBRASKA

Chart No. 9

Normal Temperature. June.

degrees Fahrenheit

ARIZONA

Normal Temperature, July.

Chart No. 10

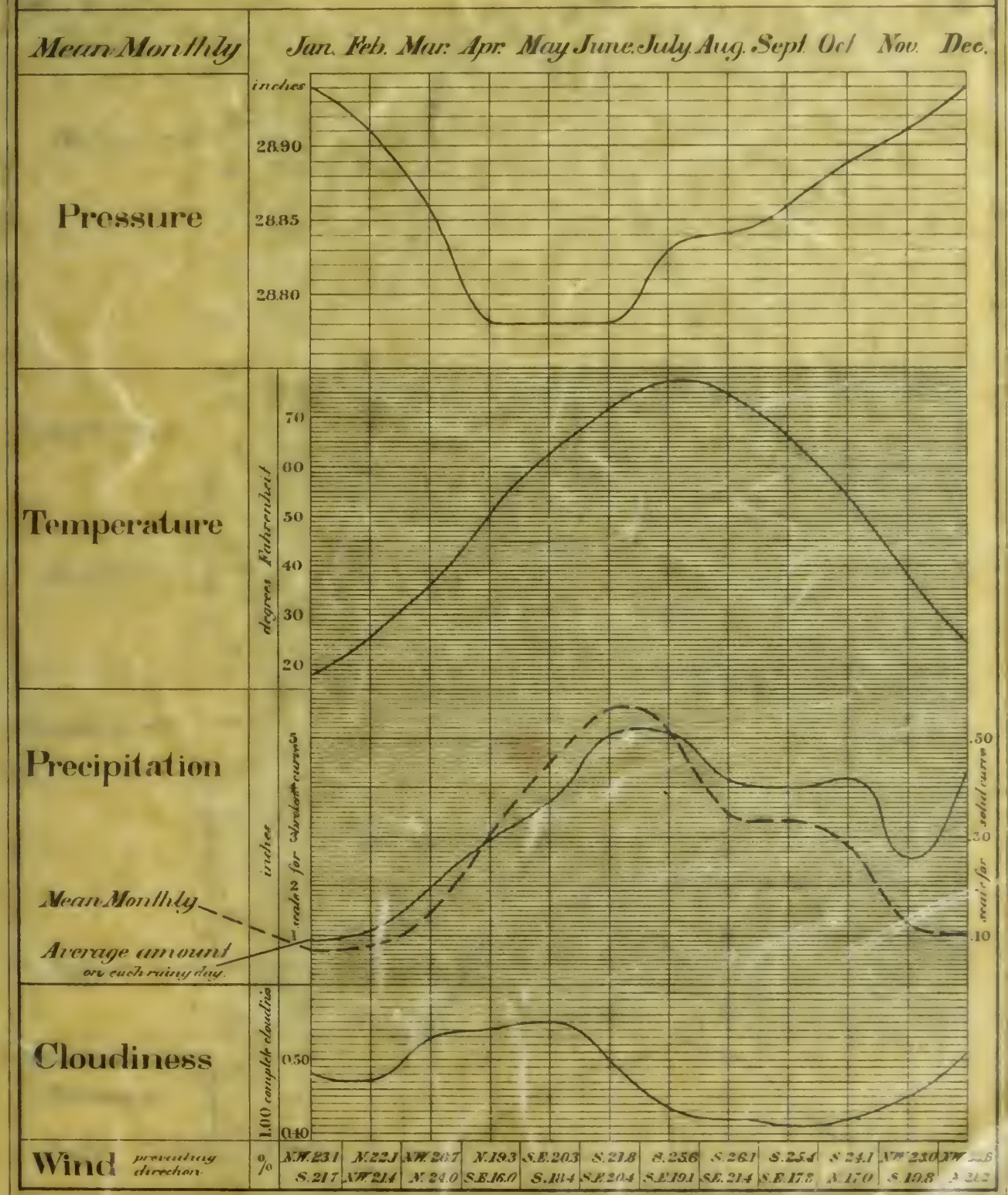
degrees Fahrenheit

Scale

Chart, No. II

Annual Fluctuations

Omaha, Neb.



Annual Fluctuations

Chart No. II

Omaha, Neb.

Mean Monthly

Pressure

Temperature

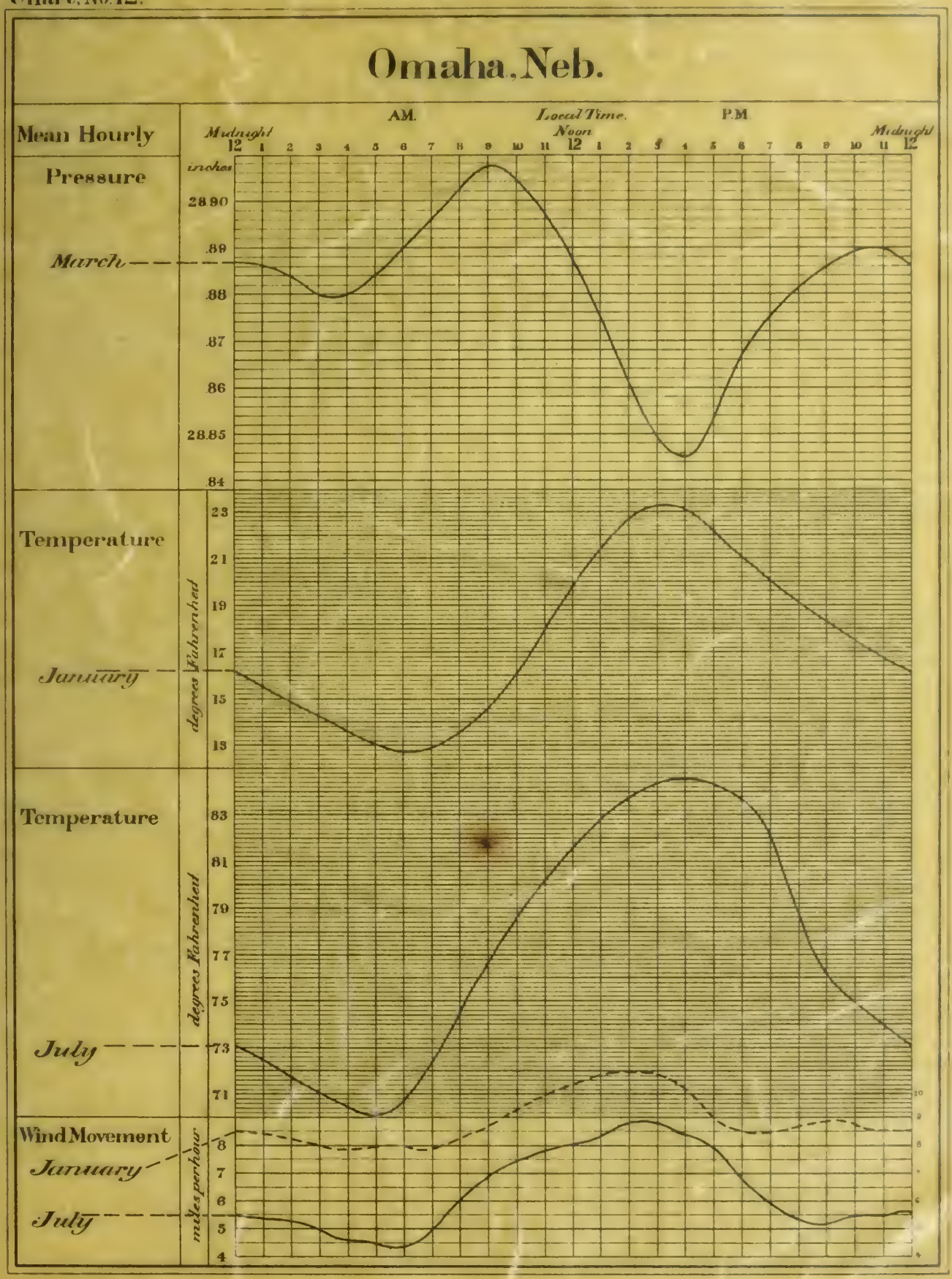
Precipitation

Cloudiness

Wind

Diurnal Fluctuations

Chart, No. 12.



Diurnal Fluctuations

Chart No. 12.